Chapter -9

Working with Array and String

1.	What do we call the bas a) <u>Scalar variable</u>					
2.	What do we call the dat	a type that can be	used to store a col	llection of more than		
	one data values? a) Scalar	b) Composite	c) Constructor	d) Basic		
3.	Which of the following i of elements?	s a variable repres	enting a collection	of homogeneous type		
	a) <u>Array</u>	b) Method	c) Class	d) Object		
4.	is useful t data.	o represent vector	, matrix, and other	multi -dimensional		
	a) <u>Array</u>	b) Method	c) Class	d) Object		
5.	is a 1D data a) <u>Vector</u>		be used to store li c) Composite			
6.	a) Vector		structure. c) Composite	d) Static		
7.	Which of the following i various elements of sin a) <u>Array</u>	nilar type?	ne operation is to b c) Method			
8.	How do we identify each a) By an index position c) By memory allocation	<u>n</u> b) By	v a pointer			
9.	An index position of an a) class	array is associated b) variable	e e	d) function		
10	10. Creating an array is how many steps process?a) Declare an array objectb) Create an array objectc) declare an array classd) Both a and b					
11	 11. An array object can be created in how many ways? a) Using new operator and specifying the size b) Directly initializing the content of array c) Specify the size d) Both a and b 					
12	12. To declare 1–D array we use a pair ofbrackets after array name or after data type.					
	a) []	b) { }	c) ()	d) < >		
13	3. Write down the syntax Ans. <data type=""> <arra< b=""></arra<></data>		data type> [] <arr< td=""><td><u>ay name>;</u> 1</td></arr<>	<u>ay name>;</u> 1		

 14. Write down the various ways to create Array object named "marks" with size for 5 elements a) int marks[]; marks = new int [5]; b) int marks [] = new int [5]; c) int [] marks = new int [5]; d) <u>All of above</u> 						
15. How many bytes are used to store the int marks[] = new int [5] array? a) <u>5 X 4=20</u> b) 5 X 8=40 c) 5 X 2 =10 d) 5 X 1 =5						
 16. What specifies the positi a) <u>index</u> 	ion of an element b) serial	5	d) class			
 17. If we declare "int marks[element? a) <u>First is marks[0] & La</u> c) First is marks[4] & Las 	ast is marks[4]	b) First is marks[ts first and last 1] & Last is marks[5] 5] & Last is marks[1]			
 18. Index value of an array a) <u>0 (zero)</u> b) 1 	always starts fro c) 2	mnun d) 3	nber.			
<pre>19. 1-D array is initialized ubraces. a) , and { } b) ; and</pre>						
 20. Which of the following an a) <u>int marks[]={90,70,7</u> c) int marks[]=(90,70,77) 	<u>7};</u>	a element of array b) int marks[3]={9 d) int marks[]={9	90,70,77};			
 21. In java, we can not speci elements simultaneously a) dimensions 	while declaring a		values of the array d) Both a and b			
22. Various array static met a) java.util.Arrays b			class. d) java.util.io.Arrays			
23. Which method to sort en a) <u>sort()</u> h	ntire or part of arr b) Short()	ray? c) fill()	d) unique()			
24. Which method is used to a <u>) fill()</u> b	o fill the whole or b) sort()	partial array with c) put()	specified value? d) short()			
25. If you want to assigns vaused?		-				
 a) <u>fill (list, 7)</u> b) fill (ls,7) c) sort(list,7) d) fill(7) 26. What will done with command "fill (list, 2,6,5);". a) <u>Assigns array list value 5 to element list [2] to list[6-1]</u> b) Assigns array list value 6 to element list [2] to list[5-1] c) Assigns array list value 5 to element list [5] to list[6-1] d) None of these 						

	ement in an array th b) binarySearch(nen array class provi) c) binary	
28. Which method serial fashion?	in Java, is used to s	search element by ele	ment comparison in a
a) Linear search	b) binarySearch()	c) binary	d) find()
29. Which of the fol and columns?	lowing arrays are us	sed to store tabular d	ata in the form of rows
a) 1D	b) <u>2D</u>	c) single	d) three dimension
array in a table o	of 5 rows and 3 colu	imns?	w shows the elements of
a) Logical view	b) Physically view	c) index view	d) Display view
	view of array is store b) Physically vie v	ed in memory using c w c) index view	5
a) <u>15 (5*3) integ</u> b) 15 (5*3) intege c) 15 (5*3) intege	at marks [][]=new in gers that store 60 (ers that store 15 byte ers that store 30 (15 ers that store 0 byte	tes *2) bytes	many memory?
33. Java does not s a) 1D		vpe of an array. c) multi-dimension a	al d) Both b and c
a) 1D	b) 2D	c) <u>multi-dimension</u>	al d) Both b and c e enclosed in
a) 1D 34. To initialize 2-D braces.	b) 2D	c) multi-dimension	,
 a) 1D 34. To initialize 2-D braces. a) <u>Curly {}</u> 	 b) 2D array, all these init b) Square [] elements in curly b 	c) multi-dimension	e enclosed in d) angular < > bysign.
 a) 1D 34. To initialize 2-D braces. a) <u>Curly {}</u> 35. In 2-D array all a) <u>comma (,)</u> 	b) 2D array, all these init b) Square [] elements in curly b b) semicolor	c) multi-dimension cialized rows are to be c) circle () races are separated b	e enclosed in d) angular < > bysign. d) dot (.)
 a) 1D 34. To initialize 2-D braces. a) <u>Curly {}</u> 35. In 2-D array all a) <u>comma (,)</u> 36. Size of each row a) length 37. Declaring an array 	b) 2D array, all these init b) Square [] elements in curly b b) semicolor v can be known usin b) size ray without	c) multi-dimension cialized rows are to be c) circle () races are separated b n (;) c) colon(:) ng proper	e enclosed in d) angular < > bysign. d) dot (.) ty of 1-D array. d) row n array object.
 a) 1D 34. To initialize 2-D braces. a) Curly {} 35. In 2-D array all a) comma (,) 36. Size of each row a) length 37. Declaring an arra a) initialization these 	b) 2D array, all these init b) Square [] elements in curly b b) semicolor b) semicolor can be known usin b) size ray without b) Declaration	c) multi-dimension cialized rows are to be c) circle () races are separated b n (;) c) colon(:) ngproper c) width does not create a c) Instantiation	e enclosed in d) angular < > bysign. d) dot (.) ty of 1-D array. d) row n array object. n d) None of
 a) 1D 34. To initialize 2-D braces. a) Curly {} 35. In 2-D array all a) comma (,) 36. Size of each row a) length 37. Declaring an arra a) initialization these 38. 1-D array of chara) integer 39. Java supports t 	b) 2D array, all these init b) Square [] elements in curly b b) semicolor b) semicolor can be known usin b) size ray without b) Declaration	c) multi-dimension cialized rows are to be c) circle () races are separated b n (;) c) colon(:) ng proper c) width does not create a c) Instantiation sidered as a c) String	e enclosed in d) angular < > oysign. d) dot (.) ty of 1-D array. d) row n array object. n d) None of
 a) 1D 34. To initialize 2-D braces. a) Curly {} 35. In 2-D array all a) comma (,) 36. Size of each row a) length 37. Declaring an arra a) initialization these 38. 1-D array of chara a) integer 	b) 2D array, all these init b) Square [] elements in curly b b) semicolor b) semicolor can be known usin b) size ray without b) Declaration	c) multi-dimension cialized rows are to be c) circle () races are separated b n (;) c) colon(:) ng proper c) width does not create a c) Instantiation sidered as a c) String that are handled by w	e enclosed in d) angular < > bysign. d) dot (.) ty of 1-D array. d) row n array object. n d) None of d) long

40.....constructor is used without arguments create a string object with no character. a) String () b) str() c) string() d) char() **41.** Which type of constructor creates a string object with its initial values using array argument? a) String (char ary[]) b) String (char ary[], int start, int len) c) String (String strObj) d) String (string literal) **42.** Which of the following constructor creates a String object using 1-D array argument starting at ary [start] with len number of character? a) String (char arv[]) b) String (char arv[], int start, int len) c) String (String strObj) d) String (string literal) **43.** Which of the following constructor creates a String object which is same as object specified in argument? a) String (char ary[]) a) String (char ary[]) c) <u>String (String strObj)</u> b) String (char ary[], int start, int len) d) String (string literal) **44.** Which of the following constructor creates a String object that refers to the literal specified in argument? a) String (char arv[]) b) String (char ary[], int start, int len) c) String (String strObj) d) String (string literal) **45.** When two String objects are created using same string literals, memory space is not allocated for object. b) first a) **second** d) null c) zero **46.** Separate memory is allocated when string objects are created usingoperator. b) obj c) static a) **new** d) private **47.** What happen when we create a String object st1 and st2 without using new operator? a) st1 and st2 refer to the same instance as created for st1. b) Both st1 and st2 refer to different memory location. c) Only st2 refer to different memory location. d) Only st1 refer to different memory location. **48.** What happen when we create a String object st1 and st2 using new operator? a) st1 and st2 refer to the same instance as created for st1. b) Both st1 and st2 refer to different memory location. c) Only st2 refer to different memory location. d) Only st1 refer to different memory location. 49. In statement "String st1=new String("I love India");" what do we call st1? a) **Reference variable** b) String object c) String class d) character class

- 50. In statement "String st1=new String("I love India");" what do we call "I love India"? b) reference variable a) String Object
 - c) string class d) character class

51. Which class provides methods to compare strings, find length of string, combining strings, obtaining sub strings, converting strings, splitting strings, searching for character or pattern in string etc?

a) String Class b) Character class c) Binary class d) bytecode class

52. Match column:

А		В		
1	booleanequals(String str)	a.	Same as Compare To but case insensitive	
2	booleanequalsIgnoreCase(String str)	b.	Return 0, >0, <0 integer.	
3	intcompareTo(String str)	c.	Return true if invoking string is same as str.	
4	intcompareToIgnoreCase(String str)	d.	Return true id invoking string is same as str after ignoring case.	

- b) (1-a, 2-d, 3-b, 4-c) a) (1-c, 2-d, 3-b, 4-a) c) (1-d, 2-a, 3-b, 4-c) d) (1-a, 2-d, 3-c, 4-b)
- 53. Which method returns an array of characters as byte from invoking string? a) int length() b) **byte [] getBytes()** c) String(Bytes) d) getBytes()

54. Match column:

А			В		
1	int length()	a.	Returns a string with all characters of invoking string converted to upper.		
2	String concate(String str)	b.	Returns a string with all characters of invoking string converted to lower.		
3	String toLowerCase()	c.	Returns character at index position from the invoking string, index considered from 0.		
4	String toUpperCase()	d.	Returns number of character in invoking string		
5	Char indexAt(int index)	e.	Returns a string after appending str with the invoking string.		

a) (1-c, 2-d, 3-b, 4-e, 5-a) b) (1-d, 2-e, 3-b, 4-a,5-c)

55. Which of the following string class method returns number of characters in						
invoking string?	b) int LENGTH()					
56. Date and Calend a) java.class	ar class is provided in b) java.util	n which of the followi c) java.dc	ing package? d) java.dateclass			
	apsulate both date an	d time and represent	ts the value using			
milliseconds prec a) Date	b) Calendar	c) date	d) DATE			
	owing Date method co	onstructs Date object	t using current system			
time? a) Date (long ())	b) <u>Date()</u>	c) Date (cur())	d) Date [date()]			
	eturns a string repres b) String toString(e of invoking object? Pate (Long ElapsedTime)			
	ets new date and time ong elapsedTime)	e of an object using e b) long getTim	-			
c) Date()		d) Date(elapse	d time)			
61. Which method consince January 1,a) Date (long elapsitication)	1970 GMT?	using specified time te () c) Date(tin	in milliseconds elapsed ne) d) Time(Date)			
62. Which method re a) <u>long getTime(</u>	eturns nimber of milli) b) String toStr		rry 1, 1970 GMT? d) Date(Time)			
63. Which class can month, minute e a) Date class			mation like year, a d) CALENDAR class			
64. Which is the sub a) <u>GregorianCale</u> c) cal		ss? gregoriancalendar calendargregorian				
a) set 20 as date o	value of statement "ca of current month 20 of system month	b) <u>Set date to 2</u>	DATE,20);"? <u>0 of system month</u> v 20 of system month			
66. Which constant o a) <u>DATE</u>	of Calendar class set b) Date () c)	day of calendar mon date ()	th? d) Today()			

67. Which constant of Calera) Minute()b) <u>MIN</u>		nutes? c) Min()	d) minute()				
68. Which constant of Calera) <u>SECOND</u> b) Second		onds? c) second()	d) millisecond()				
69. Which constant of Caler a) WEEK_OF_MONTH c) weekof month							
70. Which constant of Caler a) WEEK_OF_YEAR c) weekofyear	b) W	ek number witl EEK.OF.YEAR eek-of-year	hin the year?				
71. Which constant of Caler a) DAY.OF.YEAR b) DAY	5	v number in th c) day-of-year	5 (5,				
72. Which constant of Caler for Saturday)?a) DAY_OF_WEEK b) W							
73. Which constant of Caler a) DAY_OF_MONTH c) day-of-month	 73. Which constant of Calendar class is similar as DATE constant? a) DAY_OF_MONTH b) WEEK_OF_MONTH 						
 74. Method toString() returns answer in which data type? a) char b) <u>String</u> c) int d) float 							
75. Method getTime()return a) long	ns answer in whic b) float	h data type? c) <u>int</u>	d) String				
76. Which constant of Caler a) AM.PM	ndar class set 0 (2 (b) AM_PM	Zero) for AM ar c) am_pm	nd 1 for PM? d) am.pm				
77. Match the followings:							
А	В						
1 YEAR	a. Hour in 12	– hour					

1	YEAR	a.	Hour in 12 – hour notation.
2	MONTH	b.	Hour in 24 – hour notation.
3	HOUR	c.	Year of calendar.
4	HOUR_OF DAY	d.	Month of calendar.

a) <u>(1-c, 2-d, 3-a, 4-b)</u> c) (1-c, 2-b, 3-d, 4-a)

b) (1-d, 2-c, 3-b, 4-a) d) (1-a, 2-c, 3-b, 4-d)

	t GregorianCalendar class b) YYYY-MM-DD	s constructor takes c) YY-MM-DD	
	put of statement "Date(); em date and time	"? b) Only date d) set date and ti	me
"c1.get(Calendar	sday" then what is the ou .DAY_OFWEEK);"?	-	1) 4
	b) 2 put of statement "System	c) 1 .out.println(str1.ed	d) 4 quals(str2));" if content
of srt1 and str2 a) <u>True</u>	is "India"? b) False	c) Yes	d) No
82. What is the size a) 15	e of second dimension in a b) <u>3</u>	an array gseb [5] [3 c) 5	3]? d) 18
83. Which of the fol object with no cl	llowing constructor is use naracter?	ed for without argu	ment create a string
a) String[]	b) String{}	c) String ()	d) String< >
84. Which of the fol as str?	lowing string class metho	od returns true if ir	nvoking string is same
a) Declarge France	1// /		
a) Boolean Equa c) Boolean eq (st		b) Boolean equa l d) Boolean Eq (st	
c) Boolean eq (st 85. Which of the fol	ring str) lowing is useful to repres	d) Boolean Eq (st	ring str)
c) Boolean eq (st	ring str) lowing is useful to repres	d) Boolean Eq (st	ring str) and other multi-
c) Boolean eq (st 85. Which of the fol dimensional data a) <u>Array</u>	ring str) llowing is useful to repres a?	d) Boolean Eq (st ent vector, matrix c) Element	ring str) and other multi- d) Tag
 c) Boolean eq (st 85. Which of the fold dimensional data a) <u>Array</u> 86. Which of the fold a) <u>0 (zero)</u> 87. If int marks[] = 	ring str) llowing is useful to repres a? b) Variable llowing refer to the startir	d) Boolean Eq (st ent vector, matrix c) Element ng index value in an c) null	ring str) and other multi- d) Tag rrays? d) All of these
 c) Boolean eq (st 85. Which of the fold dimensional data a) <u>Array</u> 86. Which of the fold a) <u>0 (zero)</u> 	ring str) llowing is useful to repres a? b) Variable llowing refer to the startir b) 1	d) Boolean Eq (st ent vector, matrix c) Element ng index value in an c) null	ring str) and other multi- d) Tag rrays? d) All of these
 c) Boolean eq (st 85. Which of the fold dimensional data a) <u>Array</u> 86. Which of the fold a) <u>0 (zero)</u> 87. If int marks[] = marks[3]? a) <u>4</u> 88. Which of the fold and a statements where a statement of the fold and a statement of the fol	ring str) llowing is useful to repres a? b) Variable llowing refer to the startir b) 1 {1,2,3,4,5); is defined in a	d) Boolean Eq (st eent vector, matrix c) Element ng index value in an c) null Java then what wil c) 2	ring str) and other multi- d) Tag rrays? d) All of these ll be the value of d) 5
 c) Boolean eq (st 85. Which of the fold dimensional data a) <u>Array</u> 86. Which of the fold a) <u>0 (zero)</u> 87. If int marks[] = marks[3]? a) <u>4</u> 	ring str) llowing is useful to repres a? b) Variable llowing refer to the startir b) 1 {1,2,3,4,5); is defined in b) 3 llowing is not a right state new int [3]	d) Boolean Eq (st eent vector, matrix c) Element ng index value in an c) null Java then what wil c) 2	ring str) and other multi- d) Tag rrays? d) All of these ll be the value of d) 5 n array named marks new int[3]
 c) Boolean eq (st 85. Which of the foldimensional data a) <u>Array</u> 86. Which of the fold a) <u>0 (zero)</u> 87. If int marks[] = marks[3]? a) <u>4</u> 88. Which of the fold in Java? a) int marks[] = marks[3] = marks[3]	ring str) llowing is useful to repres a? b) Variable llowing refer to the startir b) 1 {1,2,3,4,5); is defined in b) 3 llowing is not a right state new int [3]	 d) Boolean Eq (st eent vector, matrix c) Element ng index value in an c) null Java then what will c) 2 ement to declare an b) int [] marks = d) int marks[]= { 	ring str) and other multi- d) Tag rrays? d) All of these ll be the value of d) 5 n array named marks new int[3] 10,20,30}

90. In Java, if 'str' is the object of string class and its content is @Thank GOD@, then what is the value of str.length()?							
a) 9	b) 10	c) <u>11</u>	d) 8				
91. Which method of java.util.Arrays class is used to fill the whole or partial array with specified value?							
a) <u>fill()</u>	b) sort()	c) put()	d) print()				
92. Which of the folloa) semicolon	owing symbol sigr b) square bracke		nd end of a Jav bracket d) ro	-			
93. In Java, int compequal to str?	pareto(String str)	method returns v	which value if	invoking string is			
-	b) > 0	c) <0	d) -1				
	Textb	ook Exercise					
1. Which of the foll a) <u>0</u>	lowing refers to th b) 1	e starting index c) null	•) Il of these			
2.What is the size (a) 5	2.What is the size of second dimension in an array sales [5][12]? a) 5 b) <u>12</u> c) 60 d) 10						
3.What will express (a) <u>5</u>	sion sales.length 1 b) 12	return for array s c) 60	sales [5][12]? (I d) 12				
the initial value	4.When an array sales [5][12] is declared without specifying initial values, what is the initial value of						
sales [0][0]? a) <u>0 (zero)</u>	b) default	value c)Compi	lation Error	d) 60			
5.What does length a) Attribute	n refer to for an ot b) <u>Method</u>	0	uss? variable	d) class name			
6. If 'str' is the object of String class and its content is "Thank GOD", then what is							
the value of a) <u>9</u>	str.length()? b) 10	c) 12		d) 8			
7. What type of value is returned when we use get method of Calendar class with							
constant DAY_C a) <u>int</u>	DF_WEEK as an ai b) char	rgument? C) string	5	d) boolean			