<u>Chapter 10</u>

Exception handling in Java

1.	Which program is error a) <u>complied</u>	free and will always be e b) interpreted	executed successfu c) debug	lly? d) coded
2.	What is an indication of which usually signals a	f a problem that occurs on error?	luring a program's	execution
	a) Exception	b) compiled	c) interpreted	d) coded
3.	Which of the following a had been encountered of in an uncontrolled man	dlows a program to conti or it may modify the use ner?	inue executing as i of the program bef	f no problem ore terminating
	a) Exception handling	b) termination	c) Exception code	d) Error
4.	What is called all kinds a) Exceptions	of error conditions in Ja b) Warm	va? c) Compilation	d) termination
5.	What is used to convert a) <u>compiler</u>	source code into object b) Interpretation c) Ter	code? rmination	d) debugging
6.	If there is a syntax error be able to create the	r in the program we will ; file.	get a compilation e	error and will not
	a) <u>class</u>	b) java	c) javac	d) document
7.	In how many categories a) Compile-time errors	, Error can be broadly cl b) Run-time errors	assified? c) exe time d) both a and b
8.	Which of the following a a)Missing semicolon, Us b) Wrong spellings of id c) Mismatch of bracket	are the common syntax of se of undeclared variable entifier or keyword	errors in Java prog d) <u>All of above</u>	rams?
9.	Which type of errors are a) <u>Compile-time errors</u> c) Exe time	e usually the mistakes of b) Run-time d) None of a	f programmer? e errors above	
10	If there are no syntax successfully and we will	errors in the source code l get a file.	e then the program	will compile
	a) <u>class</u>	b) java	c) javac	d) document
11	• Inexception, a) Compile-time above	, the exception will be ge b) <u>Run-time</u>	nerated during rur c) Exe time	ntime in Java. d) None of
12	. In the field of Comput executed successfully o	er Science, indicates whe r not.	ether the command	l or a program is
	a) "Exit code"	b) "Exit status"	c) Exit	d) Both a or b

13. Which code indicatesa) <u>Code "0"</u>	cates that the co b) Exit 0	ommand has been o c) text 0	executed successfully? d) Code 1
14. Which code indi	cates that some	problem has occur	red while executing the
command? a) Code "0"	b) Exit 0	c) text 0	d <u>) Code "1"</u>
15. Which package of a) Java.lang	contains a hiera b) java.io	rchy of dealing with c) java.*	n various exceptions? d) both a and b
 16. An attempt to acrange of array use a) <u>ArrayIndexOut</u> c) ArrayIndex 	ccess the array e s Which of the : OfBound	element with an ind following exception b) A d) A	lex value that is outside the . Ex. A[13]=99; ArrayOutOfBound ArrayIndOutBound
17. An attempt to di	vide any numbe	er by 0 (zero) uses v	vhich of the following
exception. Ex. Int a) <u>ArithmeticExc</u> c) ArithException	a=50/0; eption	b) A d) N	ArrayIndexOutOfBound NumberFormatException
 18. An attempt to us following except Example - String a) <u>NullPointerExc</u> c) ArrayIndexOut 	se null in a case ion. s=null; Syste s <u>ception</u> DfBound	where an object is m.out.println(s.ler b) ArithmeticEx d) All	required uses Which of the ngh()); ception
 19. An attempt to convert string to a number type uses which of the following exception? Example- String s="xyz" int i=Integer.parseInt(s); a) <u>NumberFormatException</u> b) AirthmeticException c) ArrayIndexOutOfBound b) NullPointer 			
20. An I/O error has a) PrinterIOExce c) ArrayIndexExce	s occurred while ption ption	e printing uses whic b) NullPointerEx d) NullPrinter	ch of the following exception? xception
21. Which type of ke a) try	eywords are use b) catch	d to write an except c) finally	tion handler in Java? d) <u>All of these</u>
22. Which keywords	are used in the	presence of except	ion which represent block of
statements? a) try	b) catch	c) finally	d) <u>All of these</u>
23. Which block cona) <u>try</u>	tains the code t b) catch	hat may give rise to c) finally	o one or more exceptions? d) All of these
24. Which block comparticular type that a) try	tains the code t at were created b) catch	hat is intended to l in the associated tr c) finally	nandle exceptions of a y block? d) All of these

25. Which block is any exceptions a	always executed be re generated in the	efore the program of try block or not?	ends, regardless of whether
a) try	b) catch	c) finally	d) All of these
26. Which of the following braces?	llowing statement o	contains a block of	statements within the curly
a) <u>try</u>	b) catch	c) finally	d) All of these
27. The syntax for try	try block :		
{ / / ;	set of statements t	hat may generate o	one or more exceptions
28. Which is the co	de that we want to	monitor for except	tions, if a problem occurs
a) <u>try</u>	b) catch	c) finally	d) All of these
29. Which block mu a) try	ust immediately fol b) <u>catch</u>	low the try block? c) finally	d) All of these
30. Which block co	ntains the code tha	at is to be executed	to handle an exception?
a) try	b) <u>catch</u>	c) finally	d) All of these
31. Which block is more catch block	an exception hand s?	ler, for a single try	block there can be one or
a) try	b) <u>catch</u>	c) finally	d) All of these
32. The syntax for o	catch block.		
{// set of s	statements that ma	ay generate one or	more exceptions
catch(Exception { //code to	n_Type Exception_ handle the except	object) ion	
33. Which block co	ntains a reference	to an object which	was created and thrown by
a) try	b) <u>catch</u>	c) finally	d) All of these
34. Which block is a) try	generally used to c b) catch	elean up at the end c) <u>finally</u>	of executing a try block? d) All of these
35. Which block is run, no matter w a) try	used when we war hat exceptions are b) catch	nt to be sure that s thrown within the c) finally	ome particular code is to associated try block? d) All of these
36. Which block is be released at the a) try	widely used if a file e completion of the b) catch	e needs to be close program? c) <u>finally</u>	d or a critical resource is to d) All of these

37. The syntax for	finally block :		
	clean-up code to // statements w through if runti	be executed last within this block alw me errors term	vays get executed even inate the programabruptly
38. Which block n block or a finall	nust always be foll y block?	owed by at least one	e block that is either a catch
a) <u>try</u>	b) catch	c) finally	d) All of these
39. Which block is immediately foll a) try	associated with a owing any catch b b) catch	a particular try bloch locks for the corres _j c) <u>finally</u>	c and it must be located ponding try block? d) throw
40. Which keywor a) try	d is used to explici b) catch	itly throw an Except c) finally	tion object? d) throw
41. Who created a a) <u>JVM</u>	n exception object b) JDK	and was throwing i c) JRE	t automatically? d) UML
 42. The syntax to a) <u>throw except</u> c) threw object 	throw an exception t ion object;	n object is : b) throw object; d) THROW	
43. Which cause of inform that the a) try	can be used in a m code within the co b) catch	ethod declaration of onstructor or method c) throw	r constructor declaration to 1 may throw an Exception? d) throws
 44. How many alte 1)Write a try-ca an exception 2) involving a magnetic structure 	ernate approaches tch block within th ethod or construc	to handle exceptior ne method or a cons tor within a try bloc	n created by a method? <u>Two</u> tructor that may generate k
45. A throws claus method_Modifi throws Excepti	se can be used in a ers return_type n on list	a method declaration nethod_Name(para	n as follows : meters)
{	body of the meth	od	
} 46. Which exception	on classes are not	provided by the Jav	a for application specific
a) <u>Built-in</u>	b) user define	c) method	d) constructor
47. Which method	of the Scanner cla	ass helps in reading	integer input from the
console? a) <u>nextInt()</u>	b) Int()	c) nextint()	d) NEXTINT()

48	 What are the advantages of Exception Handling? It allows us to maintain normal flow of program. In the absence of exception handling, the flow of program is disturbed. It allows writing separate error handling code from the normal code. Error types can be grouped and differentiated within the program. Assertions can be used to debug the program before deploying it to the clients. It provides an easy mechanism to log various run-time errors while executing the program
	<u>Textual Exercise</u>
1.	Which of the following refers to an error condition in object-oriented programming terminology? a) anomaly b) abbreviation c) exception d) deviation
2.	Which of the following is a correct word for all Java Exceptions? a) Runtime Exceptions b) Throwables c) Errors d) Omissions
3.	 Which of the following statements is true? a) Exceptions are more serious than Errors. b) Errors are more serious than Exceptions. c) Errors and Exceptions are equally serious. d) Exceptions and Errors are the same thing.
4.	Which of the following elements is not included in try block?a) the keyword tryb) The keyword catchc) the curly bracesd) statements that might cause Exceptions
5.	Which of the following block handles or takes appropriate action when anException occurs ?a) tryb) catchc) throwsd) handles
6.	Which of the following should be within a catch block?a) finally blockb) Single statement that handles Exceptionc) any number of statements to handle Exceptiond) Throws keyword
7.	What will happen when a try block does not generate an Exception and you have included multiple catch block?a) they all executeb) Only the first matching one executes d) Only the first catch block executes
8.	 Which of the following is an advantage of using a try catch block? a) Exceptional events are eliminated b) Exceptional events are reduced c) Exceptional events are integrated with the regular events d) Exceptional events are isolated from regular events

- 9. Which of the following methods can throw an Exception?
 - a) methods with throws clause

b) methods with a catch block

c) Methods with a try block

d) methods with finally block

- 10. Which of the following is least important to know if you want to be able to use a method to its full potential?
 - a) the method's return type
 - b) the type of arguments the method requires
 - c) The number of statements within the method
 - d) the type of Exceptions the method throws