

Chapter – 15 Array

1. What is a collection of elements having same data type?

Array.

2. What is a fixed size sequential collection of element?

Array.

3. From which number the subscript starts in an array?

Zero (0).

4. How many types of arrays possible in C language?

2.

5. Which array has one row and many columns?

Single (one) dimensional.

6. Which array has many rows and many columns?

Multi dimensional.

7. How can you define single dimensional array?

Data type arrayname[size].

8. What specifies the type of elements that an array stores?

Data type.

9. What indicates the number of elements the array can store?

Size.

10. What is the array name in “int roll_no[i];”?

roll_no

11. How will we declare an array to store marks of 50 students of one subject?

mark[50];

12. What type of memory location does array occupied?

Continuous.

13. What is the contain within square bracket in array?

Index number.

14. How can you initialize an array at compile time?

data type arrayname[size]={value1,value2,.....value n};

15. How many values can stored in “value[40]”?
40, from 0 to 39
16. What will the value of mark[3] in “int mark[5] = {45,78,93,56,66};”?
56.
17. What is known as a series of characters that is normally treated as a single block?
String.
18. Using which data type can we declare string variable?
char.
19. Which array is declared to store names of 20 characters long?
char name[20];
20. With which special character strings are terminated in a c language?
Null character ('\0').
21. In which order the single dimensional array keeps track of information?
Linear order.
22. When the lists of values are less than the size of an array what will the remaining elements initializes?
Zero.
23. Which is the simplest form of the multidimensional array?
Two dimensional array or 2D.
24. Multidimensional array are stored in which format?
Table.
25. Which error will not be displayed in C where no bound check?
Array index.
26. How can we define two dimensional array?
data type arrayname[Rowsize][Columnsize].
27. In array “int a[2][2] = {{0,0},{1,1}};”, what will be the value of a[1][0]?
1.
28. What is called the checking of the boundaries of array declared in a program?
Array bound check.
29. How can “int a[2][2]={0,0,1,1};” be represented in other way?
int a[2][2]={ {0,0}, {1,1} };

30. What will be the output?

```
int n[5] = { 10,15,20,25,30};  
int p,q,r;  
p=n[0];  
q=n[4];  
r=n[2];  
printf(“%d,%d,%d,%d”,r,q,p,n[1]);
```

20,30,10,15.

31. If we declare the array without size then compiler will automatically calculate the **size** of array.

32. In array '**int arr[3][2]**' total number of element is **6**.

33. In 2D array first pair of [] is for **row** and second pair of [] is for **column**.

34. An array element occupies contiguous **memory** location.

35. A **subscript** number must be an integer or an integer expression.