1. What is an Array in C language?

a) group of elements of the same data type.

b) array elements are stored in memory in contiguous locations.

**c) both a and b.**

d) none of the above.

Explanation - Both a and b are the correct answer

2. Which of the following correctly declares an array?

1. **int array[10];**
2. int array(10);
3. int array{10};
4. int array;

Explanation -The syntax to declare an array is data\_type array\_name[array\_size];

3. Array starts with index -

1. -1
2. **0**
3. 1
4. 2

Explanation - Array starts with index 0

4. How do you initialize an array in C?

a) int arr[5] = (1,2,3,4,5);

b) int arr(5) = {1,2,3,4,5};

**c) int arr[5] = {1,2,3,4,5};**

d) int arr(5) = (1,2,3,4,5);

Explanation -

This is the syntax to initialize an array in C.

5)What are the types of array?

a) int

b) char

c) float

**d) All of the above**

Explanation - Array can be any of the above types.

6.

#include<stdio.h>

int main()

{

int arr[5],i;

for(i=0; i<5; i+=1)

{

arr[i]=i;

}

arr[0]\*=arr[0];

printf("%d",arr[0]);

return 0;

}

What will be the output of arr[0] ?

**a)0**

b)1

c)2

d)3

Explanation - Firstly we initialize arr[0] with 0 …thats why when we multiply with arr[0]\*=arr0] it will be 0.

7.

#include<stdio.h>

int main()

{

int arr[5],i,sum=0;

for(i=1; i<=5; i+=1)

{

arr[i-1]=i;

}

printf("%d\n",sum);

for(i=1; i<=5; i+=1)

{

sum+=arr[i-1];

}

return 0;

}

What will be the output of the sum variable?

**a)0**

b)1

c)15

d)16

Explanation - We print the sum variable before summation .So,we can see that the initial value of the sum is 0 . And,hence the output is 0.

8.

#include<stdio.h>

int main()

{

int arr[5],i,sum=0;

for(i=1; i<=5; i+=1)

{

arr[i-1]=i-1;

}

for(i=0; i<5; i+=1)

{

printf("%d ",arr[i]);

}

return 0;

}

What will be the output ?

1. 1 2 3 4 5
2. 5 4 3 2 1
3. 4 3 2 1 0
4. **0 1 2 3 4**

Explanation - Initially we assign arr with 0 to 4 through a loop ..then we just print the value sequentially.

9.

You are given an array arr which size is 5 . Now you want to take input at index 3 .For this, which one is correct ?

1. scanf("%d",&arr[3])
2. **scanf("%d",&arr[3]);**
3. scanf("%d",arr[3]);
4. scanf("%d",&arr);

Explanation - The correct answer is b ..because we normally take input from the user as like variable.Here we just need to mention the index by using [] this.

10.

#include<stdio.h>

int main()

{

int arr[5]= {213,10,325,507,100};

int max=arr[0],i;

for(i=1; i<5; i+=1)

{

if(arr[i]\_\_max)

{

max=arr[i];

}

}

printf("%d\n",max);

return 0;

}

You want to find the maximum value from the array .Now which operator you need to use in if condition ? Fill the blank space.

1. <
2. **>**
3. ==
4. !=

Explanation - answer is > operator…because by using this we can compare one by one which value is greater in the array.