

1) What do you mean by an Array?

Ans: An array is a collection of elements of the same type placed in contiguous memory locations that can be individually referenced by using an index to a unique identifier.

2) How to create an Array?

Ans: To create an array, define the data type (like int) and specify the name of the array followed by square brackets [].

3) Can we change the size of an array at run time?

Ans: no, we can't change the size of the array after it's constructed.

4) Can you declare an array without assigning the size of an array?

Ans: Yes. We can declare an array without size but before using it needs to be initialised.

5) What is the default value of an array?

Ans: 0

6) What is an 1d array with an example?

Ans: A One-Dimensional Array is the simplest form of an Array in which the elements are stored linearly and can be accessed individually by specifying the index value of each element stored in the array.

7) Write a program on a 2D array?

Ans:

```
public class Demo{
    public static void main(String[] args){
        int nums[][]= new int[3][2];
        nums[0][0]=3;
        nums[0][1]=9;
        nums[1][0]=1;
        nums[1][1]=5;
        nums[2][0]=8;
        nums[2][1]=4;
        for(int i=0;i<=2;i++)
        {
            for(int j=0;j<=1;j++)
            {
                System.out.println(nums[i][j]+ " ");
            }
            System.out.println();
        }
    }
}
```