**Arrays in Java**

**Assignments Questions**

**1. What do you mean by an Array?**

It refers to index collection of fixed no of homogeneous data elements.

**2. How to create an Array?**

Array can be created using two ways.

* **int nums[] = {23,45,57,98};** //Either initialize during declaration to allocate memory of the elements present in the array.
* **int nums1[] = new int[4];**  // or allocate the memory providing the size.

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

No. It is not possible.

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

Yes, it is possible.

**int nums[] = {15,56,99,58,69 };**

if you give all the values. It,s not necessary to give the size.

**5. What is the default value of Array?**

Since arrays are treated as objects, internally based on the type of data we keep inside array.

JVM will keep default values.

If the array is of

Int then default value will be 0;

String then default value will be null

**6. What is 1-D array with an example?**

1-D array is single dimension array.

String names={“Ram”, “Sachine”, ”Sohan”, “Krishna”};

**7. Write a program on a 2-D array?**

Program to take input of printing it.

import java.util.Scanner;

public class two\_D\_Array{

    public static void main(String args[]){

        Scanner sc=new Scanner(System.in);

        int nums[][]=new int[3][4];

        for(int i=0;i<3;i++){

            for(int j=0;j<4;j++){

                System.out.println("Enter arr "+ i+","+j+" Element");

                nums[i][j]=sc.nextInt();

            }

        }

        for(int a[]:nums){

            for(int b:a){

                System.out.print(b+" ");

            }

            System.out.println();

        }

   }

}