1. What do you mean by Array?

Answer:

* It refer to index collection of fixed number of homogeneous data structure.
* Single variable holding multiple vales, which improves readability of the program.

1. How to create an Array?

Answer:

Array Declarations.

1. Single Dimenstion Array
   * Int [] a;
   * Int a[];
   * Int []a;

Array construction:

Every array in java is an object hence we create using a new operator.

Example:

Int[] a;

a=new int[5];

1. 2-D array

2d-Array=1D-Arrya+1D-Array

Declaration(all are valid)

Int [][] a;

Int a[][];

Int [][]a;

Array initialization;

a[0][0]=10;

a[2][3]=5;

1. Can we change the size of array at run time?

Answer: You can't change the size of the array after it's constructed. However, you can change the number of elements in an ArrayList whenever you want.

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

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

1. What is the default value of Array?

Answer: Initializing an Array Without Assigning Values

Similarly, in the case of a boolean array, it will be false, in the case of a String array the default value is null in java, and in the case of a char array, the default value is Unicode (\u0000

1. What is 1D array with an example:

Answer: Every Array in Java is an object hence we create using a new operator.

Example 1 :

Int [ ] a;

A=new int[]; // OR int []a = new int[5];

public class array {

    public static void main(String[] args) {

   int a[] = {10,20,30,40};

        for(int i=0;i<=3;i++)

        {

            System.out.print(a[i]+" ");

        }

    }

}

Output : 10 20 30 40

1. Write a program of on a 2D array?

Answer:

public class array {

    public static void main(String[] args) {

    int a[][] = new int[3][2];

        a[0][0]=3;

        a[0][1]=8;

        a[1][0]=10;

        a[1][1]=13;

        a[2][0]=33;

        a[2][1]=35;

        for(int i=0;i<=2;i++)

        {

            for(int j=0;j<=1;j++)

            {

                System.out.print(a[i][j]+" ");

            }

            System.out.println();

        }

    }

}

Outout: 3 8

10 13

33 35