

SESSION 2 PROGRAMS(ARRAYS)

Program 1

//Java Program to demonstrate the use of 1D Array.

```
public class OneDArray {

    public static void main (String[] args)
    {
        // declares an Array of integers.
        int[] arr, brr;

        //declare & initialize an Array of Integers at the same place itself
        int[] crr= {1,2,3};

        // allocating memory for 5 integers.
        arr = new int[5];

        // initialize the first elements of the array
        arr[0] = 10;

        // initialize the second elements of the array
        arr[1] = 20;

        //so on...
        arr[2] = 30;
        arr[3] = 40;
        arr[4] = 50;

        // accessing the elements of the specified array
        for (int i = 0; i < arr.length; i++)
            System.out.println("Element at index " + i +
                               " : "+ arr[i]);
    }
}
```

Program2

//Java Program to demonstrate the use of String Array.

//It also demonstrates the use of ForEach Loop

```
public class Main
{
    public static void main(String[] args)
    {
        String[] rgb = {"Red", "Green", "Blue","Yellow"};

        System.out.println("The string array elements:");
        for (String item: rgb)
        {
            System.out.print(item + " ");
        }
    }
}
```

```
}
```

Program3

//Java Program to demonstrate the 2DArray example

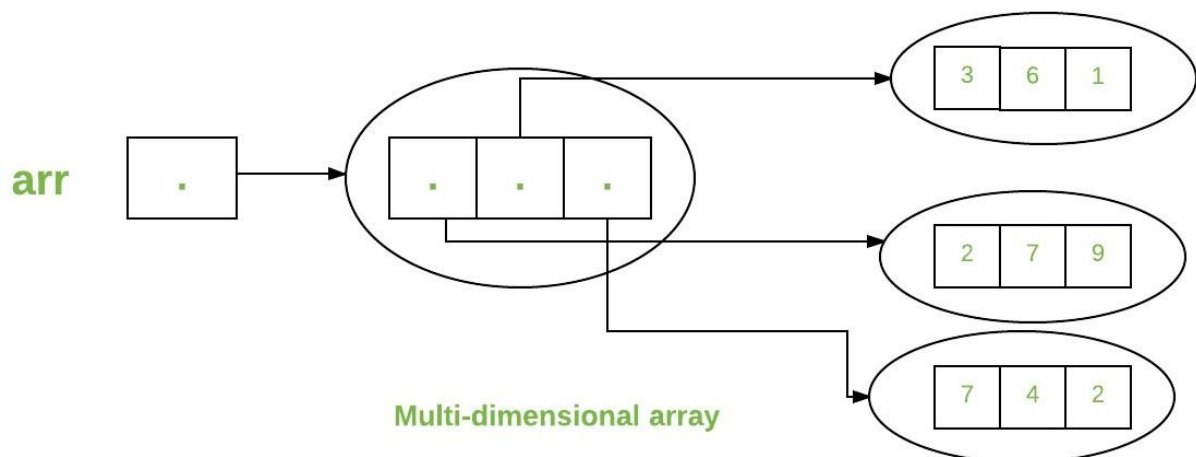
```
public class TwoDArray1 {
    public static void main (String[] args)
    {
        int[][] arr=new int[3][3]; //3 row and 3 column
        arr[0][0]=1;
        arr[0][1]=2;
        arr[0][2]=3;
        arr[1][0]=4;
        arr[1][1]=5;
        arr[1][2]=6;
        arr[2][0]=7;
        arr[2][1]=8;
        arr[2][2]=9;
        System.out.println("The two-dimensional array is as follows:");
        for (int i=0; i< 3 ; i++)
        {
            for (int j=0; j < 3 ; j++)
            {
                System.out.print(arr[i][j] + " ");
            }
            System.out.println();
        }
    }
}
```

Core Java Training

Program4

//Java Program to demonstrate the 2DArray example

```
public class TwoDArray {  
  
    public static void main(String args[])  
    {  
        // declaring and initializing 2D array  
        int arr[][] = { {1,2,3},{4,5,6},{7,8,9} };  
  
        System.out.println("The two-dimensional array is as follows:");  
        for (int i=0; i< 3 ; i++)  
        {  
            for (int j=0; j < 3 ; j++)  
            {  
                System.out.print(arr[i][j] + " ");  
            }  
            System.out.println();  
        }  
    }  
}
```



SESSION 2 ASSIGNMENTS

1. Write a Program to store employee names of a company . The company has 4 employees . Print the employee names from the String Array
2. Write a Program to store roll nos of 10 students .Print the roll nos from the Array.
3. Write a program to store price of 3 fruits. Find & print the average price of the fruits .