Array

Array is an object which contains elements of a similar data type. The elements of an array are stored in a contiguous memory location.

Declaration

- datatype [ ]arr_name;
- dataType arr_name[ ];

Initialization

- arrayRefVar= new datatype[size];

// arr[ ] = new int [5];

// arr[ ] = {10, 20, 30, 40, 50}

Types

- Single Dimensional Array
- Multi Dimensional Array

Example

```
public static void main(String args[]){
int arr[]=new int[5];   //declaration and instantiation
arr[0]=10;  //initialization
arr[1]=20;
arr[2]=70;
arr[3]=40;
arr[4]=50;
//traversing array
for(int i=0;i<arr.length;i++)  //length is the property of array
System.out.println(arr[i]);
```