```
//One Dim Array Example
public class AutoArray {
  public static void main(String args[]) {
    int month_days[] = { 31, 28, 31, 30, 31, 30, 31, 31, 30, 31, 30, 31 };
  System.out.println("April has " + month_days[3] + " days.");
  }
}

//One Dim Array Example
public class OneDimArray {
  public static void main(String args[]) {
    int oneDim[] = new int[5];  // in C, int two_dim[4][5];
    int i, k = 100;

      for(i=0; i<oneDim.length; i++) {
        oneDim[i] = k;
        k++;
      }

      for(i=0; i<5; i++)
        System.out.print(oneDim[i] + "\t");

  }
}


//Two Dim Array Example
public class TwoDArray {
  public static void main(String args[]) {
    int twoD[][]= new int[4][5];  // in C, int two_dim[4][5];
    int i, j, k = 0;

    for(i=0; i<4; i++)
      for(j=0; j<5; j++) {
        twoD[i][j] = k;
        k++;
      }

    for(i=0; i<4; i++) {
      for(j=0; j<5; j++)
        System.out.print(twoD[i][j] + "\t");
      System.out.println();
    }
```

```
  }
}


//Two Dim Array Example using FOR-EACH/ENhanced FOR loop
public class TwoDArray {
  public static void main(String args[]) {
    int twoD[][]= new int[4][5];  // in C, int two_dim[4][5];
    int i, j, k = 10;

    for(i=0; i<4; i++)
      for(j=0; j<5; j++) {
        twoD[i][j] = k;
        k++;
      }

    for(int t[]:twoD) {
      for(int temp:t)
        System.out.print(temp+ "\t");
      System.out.println();
    }
  }
}

//Two Dim UnEven/Jagged Array Example using enhanced FOR loop
public class TwoDArray {
  public static void main(String args[]) {
    int twoD[][]= new int[4][];

    twoD[0]= new int[4];
    twoD[1]= new int[2];
    twoD[2]= new int[3];
    twoD[3]= new int[1];

    int i, j, k = 1;

    for(i=0; i<4; i++)
      for(j=0;j<twoD[i].length; j++) {
        twoD[i][j] = k;
        k++;
      }

    for(int t[]:twoD) {
```

```
        for(int temp:t)
           System.out.print(temp+ "\t");
        System.out.println();
     }
  }
}
```

```
// Java program to read data of various types using Scanner class.

import java.util.*;
import java.util.Scanner;

public class ScannerDemo1{
    public static void main(String[] args) {
        // Declare the object and initialize with
        // predefined standard input object
        Scanner sc = new Scanner(System.in);

        // String input
        String name = sc.nextLine();

        // Character input
        char gender = sc.next().charAt(0);

        // Numerical data input
        // byte, short and float can be read
        // using similar-named functions.
        int age = sc.nextInt();
        long mobileNo = sc.nextLong();
        double cgpa = sc.nextDouble();

        // Print the values to check if input was correctly obtained.
        System.out.println("Name: "+name);
        System.out.println("Gender: "+gender);
        System.out.println("Age: "+age);
        System.out.println("Mobile Number: "+mobileNo);
        System.out.println("CGPA: "+cgpa);
    }
}
```

```
// Java program to read data of various types using Scanner class.
```

```
import java.util.*;
import java.util.Scanner;

class Student{
  String name;
  char gender;
  int age;
  long mobileNo;
  double cgpa;
  /*
  Student(){

  }
  */
  void acceptInput(){
    Scanner sc = new Scanner(System.in);
    System.out.print("Name: "); String name = sc.nextLine();

    char gender = sc.next().charAt(0);
    int age = sc.nextInt();
    long mobileNo = sc.nextLong();
    double cgpa = sc.nextDouble();
  }

  void displayDetails(){
      System.out.println("Name: "+name);
      System.out.println("Gender: "+gender);
      System.out.println("Age: "+age);
      System.out.println("Mobile Number: "+mobileNo);
      System.out.println("CGPA: "+cgpa);
  }

}
//Driver Class
public class ScannerDemo1{
   public static void main(String[] args) {
      Student s1 = new Student();
      s1.acceptInput();
      s1.displayDetails();
   }
}
```

```
// Java program to read data of various types using Scanner class.

import java.util.*;
import java.util.Scanner;

class Student{
  String name;
  char gender;
  int age;
  long mobileNo;
  double cgpa;

  void acceptInput(){
    Scanner sc = new Scanner(System.in);
    System.out.print("Name: "); name = sc.nextLine();
    System.out.print("Gender: "); gender = sc.next().charAt(0);
    System.out.print("Age: "); age = sc.nextInt();
    System.out.print("Mobile Number: "); mobileNo = sc.nextLong();
    System.out.print("CGPA: "); cgpa = sc.nextDouble();
  }

  void displayDetails(){
      System.out.println("Name:: "+name);
      System.out.println("Gender:: "+gender);
      System.out.println("Age:: "+age);
      System.out.println("Mobile Number:: "+mobileNo);
      System.out.println("CGPA:: "+cgpa);
  }

}

//Driver Class
public class ScannerDemo1{
   public static void main(String[] args) {
      Student s1 = new Student();
      s1.acceptInput();
      s1.displayDetails();
   }
}

// Java program to read data of various types using Scanner class.

import java.util.*;
```

```
import java.util.Scanner;

class Students{
   String name;
   char gender;
   int age;
   long mobileNo;
   double cgpa;

  void acceptInfo(){
    Scanner sc = new Scanner(System.in);
    System.out.print("Name: "); name = sc.nextLine();
    System.out.print("Gender: "); gender = sc.next().charAt(0);
    System.out.print("Age: "); age = sc.nextInt();
    System.out.print("Mobile Number: "); mobileNo = sc.nextLong();
    System.out.print("CGPA: "); cgpa = sc.nextDouble();
  }

 void displayDetails(){
        System.out.println("Name: "+name);
        System.out.println("Gender: "+gender);
        System.out.println("Age: "+age);
        System.out.println("Mobile Number: "+mobileNo);
        System.out.println("CGPA: "+cgpa);
 }

}

//Driver Class
public class ScannerDemo1{
    public static void main(String[] args) {
        Students s1 = new Students();
        s1.acceptInfo();
        s1.displayDetails();
    }
}
```