```
1 public class Main{
      public static int linearSearch( int[] arr, int key)
   3 - {
          for(int i=0;i<arr.length;i++){</pre>
   4 -
   5 -
               if(arr[i]==key){
                   return i;
   6
   7
   8
   9
               return -1;
  10
  11 -
          public static void main(String[] args) {
               int []a={10,20,30,50,70,90};
  12
  13
               int key=50;
  14
                   int index=linearSearch(a,key);
  15
  16
              if(index==-1)
              System.out.println("Not found");
  17
  18
              else
              System.out.println(key+"is found at index:"+index);
  19
  20
  21
 V / 9
                                                                      input
50is found at index:3
... Program finished with exit code 0
Press ENTER to exit console.
```

```
in.java
    import java.util.Scanner;
 3 public class Main{
    public int linearSearch( int[] arr, int n, int key)
 5 - {
 6 .
        for(int i=0;i<arr.length;i++){</pre>
 7 -
             if(arr[i]==key){
 8
                 return i;
 9
10
11
             return -1;
12
         public static void main(String[] args) {
13 -
             Main m=new Main();
14
15
             int n;
16
             int key=50;
             Scanner sc=new Scanner(System.in);
17
             System.out.println("Enter the number of elements:");
18
             n=sc.nextInt();
 19
             int a[]=new int[n];
 20
             System.out.println("Enter elements");
 21
             for(int i=0;i<n;i++)
 22
 23 -
                 a[i]=sc.nextInt();
 24
 25
                  int index=m.linearSearch(a,n,key);
 26
             if(index==-1)
 27
                   .out.println("Not found");
 28
```

```
if(arr[i]==key){
        return i;
    return -1;
public static void main(String[] args) {
    Main m=new Main();
    int n;
    int key=50;
    Scanner sc=new Scanner(System.in);
    System.out.println("Enter the number of elements:");
    n=sc.nextInt();
     int a[]=new int[n];
     System.out.println("Enter elements");
     for(int i=0;i<n;i++)</pre>
         a[i]=sc.nextInt();
         int index=m.linearSearch(a,n,key);
     if(index==-1)
     System.out.println("Not found");
     else
     System.out.println(key+"is found at index:"+index);
```

```
Enter the number of elements:
5
Enter elements
6
7
8
9
10
Not found
...Program finished with exit code 0
Press ENTER to exit console.
```

```
main.java
   1 class TwodimensionalLoop{
              public static void main(String args[])
          int[][] a={{10,20},{30,40},{50,60}};//declaration and initializatio
                .out.println("Two dimensional array elements are");
   6
          for(int i = 0; i < 3; i++)
   7 -
  8
              for(int j = 0; j < 2; j++)
  9 -
                        .out.println(a[i][j]);
 10
 11
 12
 13
 14
```

v / s input

Error: Could not find or load main class main Caused by: java.lang.ClassNotFoundException: main

...Program finished with exit code 1
Press ENTER to exit console.

```
nain.java
   1 - import java.util.Scanner;
   2 class TwodimensionalLoop{
              public static void main(String[] args)
   3
   4 - {
   5
          Scanner sc=new Scanner(System.in);
          int[][] a=new int[4][3];
   6
          int i,j;
          System.out.println("Enter array elements");
   8
           for(i=0;i<4;i++)
   9
  10 -
  11
              for( j=0;j<3;j++)
  12 *
                  a[i][j]=sc.nextInt();
  13
  14
  15
          System.out.println("Two Dimensional array elements are:");
  16
          for( i=0;i<4;i++)
  17
  18 -
              for( j=0;j<3;j++)
 19
  20 -
                  System.out.print(a[i][j]);
                                                         input
Y / 3
Error: Could not find or load main class main
Caused by: java.lang.ClassNotFoundException: main
.. Program finished with exit code 1
Press ENTER to exit console.
```

```
1 import java.util.Scanner;
   class TwodimensionalLoop{
            public static void main(String[] args)
3
5
              [][] salutation={{"Mr.","Mrs.","Ms."},{"Kumar"}};
              .out.println(salutation[0][0]+" "+salutation[1][0]);
 6
 7
              .out.println(salutation[0][1]+" "+salutation[1][0]);
              .out.println(salutation[0][2]+" "+salutation[1][0]);
 8
 9
10
                                                       input
Error: Could not find or load main class main
Caused by: java.lang.ClassNotFoundException: main
```

...Program finished with exit code 1
Press ENTER to exit console.

```
import java.util.Scanner;
  class TwodimensionalLoop{
           public static void main(String[] args)
      int [][] board=new int[3][3];
       int i,j;
     Scanner sc=new Scanner(System.in);
3
      System.out.println("Enter array elements");
9
      for(i=0;i<board.length;i++)</pre>
0 "
1 -
          for(j=0;j<board[i].length;j++){</pre>
2
          board[i][j]=sc.nextInt();
3
4
5
      System.out.println("Array elements are:");
      for(i=0;i<board.length;i++)</pre>
.6
7 -
          for(j=0;j<board[i].length;j++){</pre>
L8 -
          System.out.print(board[i][j]+" ");
19
20
21
           em.out.println();
ror: Could not find or load main class main
used by: java.lang.ClassNotFoundException: main
```

.Program finished with exit code 1 ess ENTER to exit console.

```
ain.java
   1 import java.util.*;
   2 class TwodimensionalLoop{
               public static void main(String[] args)
   3
   4-{
   5
          int [][] board=new int[3][3];
   6
          int i,j;
   7
         Scanner sc=new Scanner(System.in);
         System.out.println("Enter array elements");
   8
         for(i=0;i<board.length;i++)</pre>
   9
  10 -
             for(j=0;j<board[i].length;j++){</pre>
  11 -
             board[i][j]=sc.nextInt();
  12
  13
  14
        System.out.println(Arrays.deepToString(board));
  15
  16
  17
                                                         input
Error: Could not find or load main class main
Caused by: java.lang.ClassNotFoundException: main
... Program finished with exit code 1
```

Press ENTER to exit console.

```
1 class TwodimensionalLoop{
               public static void main(String[] args)
   2
   3 - {
   4
           int [] board={1,2,3,4,5};
           int i,j,sum=0;
   5
   6
          double avg;
   7
          System.out.println("Enter array elements");
         for(i=0;i<board.length;i++)</pre>
   8
   9 -
  10
              sum+=board[i];
  11
  12
         avg=sum/board.length;
  13
        System.out.println("Sum is"+sum);
  14
  15
         System.out.println("Avg is"+avg);
  16
  17
                                                        inp
Error: Could not find or load main class main
Caused by: java.lang.ClassNotFoundException: main
```

... Program finished with exit code 1

Press ENTER to exit console.