

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



input

50is found at index:3

...Program finished with exit code 0

Press ENTER to exit console.


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



```
        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++)
    {
        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.


```
1 class TwodimensionalLoop{
2     public static void main(String args[])
3 {
4     int[][] a={{10,20},{30,40},{50,60}}; //declaration and initialization
5     System.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         {
10             System.out.println(a[i][j]);
11         }
12     }
13 }
14 }
```

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 import java.util.Scanner;
2 class TwodimensionalLoop{
3     public static void main(String[] args)
4 {
5     Scanner sc=new Scanner(System.in);
6     int[][] a=new int[4][3];
7     int i,j;
8     System.out.println("Enter array elements");
9     for(i=0;i<4;i++)
10 {
11     for( j=0;j<3;j++)
12 {
13     a[i][j]=sc.nextInt();
14 }
15
16     System.out.println("Two Dimensional array elements are:");
17     for( i=0;i<4;i++)
18 {
19     for( j=0;j<3;j++)
20 {
21     System.out.print(a[i][j]);
```

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- import java.util.Scanner;
2- class TwodimensionalLoop{
3-     public static void main(String[] args)
4- {
5-     String[][] salutation={{ "Mr.", "Mrs.", "Ms." }, {"Kumar"}};
6-     System.out.println(salutation[0][0]+" "+salutation[1][0]);
7-     System.out.println(salutation[0][1]+" "+salutation[1][0]);
8-     System.out.println(salutation[0][2]+" "+salutation[1][0]);
9- }
10 }
```

I

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 import java.util.Scanner;
2 class TwodimensionalLoop{
3     public static void main(String[] args)
4 {
5     int [][] board=new int[3][3];
6     int i,j;
7     Scanner sc=new Scanner(System.in);
8     System.out.println("Enter array elements");
9     for(i=0;i<board.length;i++)
10    {
11        for(j=0;j<board[i].length;j++){
12            board[i][j]=sc.nextInt();
13        }
14    }
15    System.out.println("Array elements are:");
16    for(i=0;i<board.length;i++)
17    {
18        for(j=0;j<board[i].length;j++){
19            System.out.print(board[i][j]+" ");
20        }
21        System.out.println();

```

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.

ain.java

```
1 import java.util.*;
2 class TwodimensionalLoop{
3     public static void main(String[] args)
4 {
5     int [][] board=new int[3][3];
6     int i,j;
7     Scanner sc=new Scanner(System.in);
8     System.out.println("Enter array elements");
9     for(i=0;i<board.length;i++)
10 {
11     for(j=0;j<board[i].length;j++){
12         board[i][j]=sc.nextInt();
13     }
14 }
15 System.out.println(Arrays.deepToString(board));
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{
2     public static void main(String[] args)
3 {
4     int [] board={1,2,3,4,5};
5     int i,j,sum=0;
6     double avg;
7     System.out.println("Enter array elements");
8     for(i=0;i<board.length;i++)
9     {
10         sum+=board[i];
11     }
12     avg=sum/board.length;
13
14     System.out.println("Sum is"+sum);
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.