

```
1 import java.util.Scanner;
2 public class Main {
3     public static void main(String[] args) {
4         int mynum = (int)(Math.random()*100);
5         Scanner sc = new Scanner(System.in);
6         do {
7             System.out.println("Guess the number : (1-100) , enter '-1' to exit");
8             int usernum = sc.nextInt();
9
10            if(usernum == -1) {
11                System.out.println("You lose .. the number is : " + mynum);
12                break;
13            }
14            else if(usernum == mynum){
15                System.out.println("Correct guess ");
16                break;
17            }
18            else if(usernum > mynum){
19                System.out.println("Wrong , guessed number too high ");
20            }
21            else if(usernum < mynum){
22                System.out.println("Wrong , guessed number too low");
23            }
24
25        }while(true);
26    }
27 }
28
```

```
1  import java.util.Scanner;
2  ▶ public class Main {
3  ▶      public static void main(String[] args) {
4          int a = 3;
5          int b = 4;
6          int c = 5;
7          int sum = a+b+c;
8          System.out.println("sum of a,b and is : " +sum);
9          |
10
11      }
12  }
13
```

Main.java ×

```
1 import java.util.Scanner;
2 public class Main {
3     public static void main(String[] args) {
4         int sub1 = 80;
5         int sub2 = 85;
6         int sub3 = 90;
7         float cgpa = (sub1+sub2+sub3)/30;
8         System.out.println(cgpa);
9
10
11     }
12 }
13
```

2 ^ v

Main.java x

```
1 import java.util.Scanner;
2 public class Main {
3     public static void main(String[] args) {
4         System.out.println("What is your name ? ");
5         Scanner sc1 = new Scanner(System.in);
6         String name = sc1.next();
7         System.out.println("hello, "+name);
8
9
10    }
11 }
12
```

No problems found

Highlight: All Problems v

```
1  import java.util.Scanner;
2
3  ▶ public class Main {
4  ▶      public static void main(String[] args) {
5          System.out.println("Enter kilometres : ");
6          Scanner sc1 = new Scanner(System.in);
7          float kms = sc1.nextFloat();
8          System.out.println(kms + " kilometres are " + kms/1.6 + " miles");
9
10
11      }
12  }
13
```

Main.java ×

```
1  import java.util.Scanner;
2
3  ▶ public class Main {
4  ▶      public static void main(String[] args) {
5          System.out.println("Enter your number ");
6          Scanner sc = new Scanner(System.in);
7          System.out.println(sc.hasNextInt());
8
9
10     }
11 }
12
```

```
1  import java.util.Scanner;
2
3  ▶ public class Main {
4  ▶      public static void main(String[] args) {
5
6          System.out.println("Enter total marks of individual subject : ");
7
8          Scanner sc = new Scanner(System.in);
9          float total = sc.nextFloat();
10
11         System.out.println("Enter score of subject 1 : ");
12         float s1 = sc.nextFloat();
13
14         System.out.println("Enter score of subject 2 : ");
15         float s2 = sc.nextFloat();
16
17         System.out.println("Enter score of subject 3 : ");
18         float s3 = sc.nextFloat();
19
20         System.out.println("Enter score of subject 4 : ");
21         float s4 = sc.nextFloat();
22
23         System.out.println("Enter score of subject 5 : ");
24         float s5 = sc.nextFloat();
25
26         float percentage = (s1+s2+s3+s4+s5)/5;
27         System.out.println("Percentage score is : "+percentage);
28
29     }
```

```
1  import java.util.Scanner;
2
3  ▶ public class Main {
4  ▶      public static void main(String[] args) {
5          char grade = 'B';
6          grade = (char)(grade + 8);
7          System.out.println(grade);
8
9          grade = (char)(grade - 8);
10         System.out.println(grade);
11
12
13
14     }
15 }
```

16

Main.java ×



⚠️ 1 ✅ 2 ^ v



```
1 import java.util.Scanner;
2
3 ▶ public class Main {
4 ▶     public static void main(String[] args) {
5
6         String name = "John Doe";
7
8         String lowname = name.toLowerCase();
9         System.out.println(lowname);
10 |
11         String upname = name.toUpperCase();
12         System.out.println(upname);
13     }
14 }
15
```

```
1 import java.util.Scanner;
2
3 public class Main {
4     public static void main(String[] args) {
5
6         String name = "John Doe";
7         name = name.replace(target: " ", replacement: "_");
8         System.out.println(name);
9     }
10 }
11
```

Main.java ×

```
1 import java.util.Scanner;
2
3 public class Main {
4     public static void main(String[] args) {
5         String text = "This String has double and triple spaces";
6         System.out.println(text.indexOf("  "));
7         System.out.println(text.indexOf("   "));
8
9     }
10 }
11
```

```
1 import java.util.Scanner;
2 public class Main {
3     public static void main(String[] args) {
4         Scanner sc = new Scanner(System.in);
5         System.out.println("Enter name of student : ");
6         String name = sc.next();
7         System.out.println("Enter name of subject 1 : ");
8         String subject1 = sc.next();
9         System.out.println("Enter name of subject 2 : ");
10        String subject2 = sc.next();
11        System.out.println("Enter name of subject 3 : ");
12        String subject3 = sc.next();
13        System.out.println("Enter total marks of individual subject :");
14        float total = sc.nextFloat();
15        System.out.println("Enter score of "+subject1+" : ");
16        float s1 = sc.nextFloat();
17        System.out.println("Enter score of "+subject2+" : ");
18        float s2 = sc.nextFloat();
19        System.out.println("Enter score of "+subject3+" :");
20        float s3 = sc.nextFloat();
21        float s1per = (float)((s1/total)*100);
22        float s2per = (float)((s2/total)*100);
23        float s3per = (float)((s3/total)*100);
24        float totalper = (float)((((s1+s2+s3)/(total*3))*100);
25        if(s1per >= 33){
26            System.out.println(name+ " has passed "+subject1+ " with "+s1per+ " percentage");
27        }
28        else {
29            System.out.println(name + " has failed in " + subject1);
```

```
2   public class Main {
3       public static void main(String[] args) {
24         float totalper = (float)((((s1+s2+s3)/(total*3))*100);
25         if(s1per >= 33){
26             System.out.println(name+ " has passed "+subject1+ " with "+s1per+ " percentage");
27         }
28         else {
29             System.out.println(name + " has failed in " + subject1);
30         }if(s2per >= 33){
31             System.out.println(name+ " has passed "+subject2+" with "+s2per+ " percentage");
32         }
33         else {
34             System.out.println(name + " has failed in " + subject2);
35         }if(s3per >= 33){
36             System.out.println(name+ " has passed "+subject3+" with "+s3per+" percentage");
37         }
38         else {
39             System.out.println(name + " has failed in " + subject3);
40         }
41         if(totalper >= 40){
42             System.out.println(name+" has passed the grade with "+totalper+" percentage" );
43         }
44     }
45 }
46 |
```

```
1  import java.util.Scanner;
2  ▶ public class Main {
3  ▶      public static void main(String[] args) {
4          System.out.println("Enter your annual income in lacs : ");
5          Scanner sc = new Scanner(System.in);
6          float income = sc.nextFloat();
7          float tax = 0.0f;
8          if (income < 2.5f){
9              System.out.println("no income tax as out of income slab");
10         }
11         else if (income >= 2.5f && income <= 5.0f){
12             tax = (float)((0.05f)*(income - 2.5f));
13             System.out.println("tax to be paid is "+tax+" lacs");
14         }
15         else if(income > 5.0f && income <= 10.0f){
16             tax = (float)((0.2)*(income - 2.5f));
17             System.out.println("Tax to be paid is "+tax+ " lacs");
18         }
19         else if(income > 10.0f){
20             tax = (float)((0.3)*(income-2.5f));
21             System.out.println("tax to be paid is "+tax+" lacs");
22         }
23     |
24     }
25 }
26
```

```
1 import java.util.Scanner;
2 public class Main {
3     public static void main(String[] args){
4         for(int i = 5 ; i > 0 ; --i){
5             for(int j = 0 ; j < i ; j++){
6                 System.out.print('*');
7             }
8             System.out.println("\n");
9         }
10    }
11 }
```



```
1  import java.util.Scanner;
2  ▶ public class Main {
3  ▶     public static void main(String[] args){
4      int sum = 0;
5      Scanner sc = new Scanner(System.in);
6      System.out.println("Enter n till which even nums are to be added");
7      int n = sc.nextInt();
8      int i = 1;
9      while(i<=n){
10         if(i % 2 == 0){
11             sum += i;
12         }
13         i++;
14     }
15     System.out.println(sum);
16 }
17 }
```


Main.java x

```
1  import java.util.Scanner;
2  public class Main {
3      public static void main(String[] args){
4          Scanner sc =new Scanner(System.in);
5          System.out.println("Enter number to clculate table");
6          int num = sc.nextInt();
7          for(int i = 1 ; i<= 10; i++){
8              System.out.println(i*num);
9          }
10         for(int i = 10 ; i>= 1; i--){
11             System.out.println(i*num);
12         }
13     }
14 }
```

```
1  import java.util.Scanner;
2  ▶ public class Main {
3  ▶      public static void main(String[] args){
4          Scanner sc =new Scanner(System.in);
5          System.out.println("Enter number to calculate factorial");
6          int num = sc.nextInt();
7          int factorial = 1;
8          for(int i = 1 ; i <=num; i++){
9              factorial *= i;
10         }
11         System.out.println("factorial of "+num+" is "+factorial);
12         int facto = 1 ;
13         int j = num;
14         while( j>0){
15             facto *= j;
16             j--;
17         }
18         System.out.println(facto);
19     }
20 }
21 }
```

```
1  import java.util.Scanner;
2  ▶ public class Main {
3  ▶      public static void main(String[] args){
4          Scanner sc =new Scanner(System.in);
5          System.out.println("Enter number to calculate sum of nums in it's table");
6          int num = sc.nextInt();
7          int sum =0;
8          int i = 1;
9          while( i <= 10){
10             int j = i*num;
11             System.out.println(j);
12             sum += j;
13             i++;
14         }
15         System.out.println("sum of numbers in table of "+num+" is "+sum);
16     }
17 }
```

```
1  import java.util.Scanner;
2  ▶ public class Main {
3  ▶      public static void main(String[] args){
4          Scanner sc =new Scanner(System.in);
5          System.out.println(" Enter number of elements in array : ");
6          int n = sc.nextInt();
7          float[] nums = new float[n];
8          float sum =0;
9          for(int i = 0 ; i< n ; i++){
10             System.out.println("enter num at "+i+" index :");
11             nums[i] = sc.nextFloat();
12             sum += nums[i];
13         }
14         float sum2 = 0;
15         for( float ele : nums){
16             sum2 += ele;
17         }
18         System.out.println(sum+" and "+sum2);
19     }
20 }
21 }
```

```
1 import java.util.Scanner;
2 public class Main {
3     public static void main(String[] args){
4         Scanner sc =new Scanner(System.in);
5         int[] array = { 10,20,30,40,50,60,70,80,90};
6         System.out.println("Enter number to find");
7         int num = sc.nextInt();
8         boolean status = false;
9         int i = 0;
10        for(int ele : array){
11            if (ele == num){
12                status = true;
13                break;
14            }
15            i++;
16        }
17        if (status == true){
18            System.out.println("Given number "+num+" found in array at "+i+" index");
19        }
20        else if(status == false){
21            System.out.println("Given number not found in array");
22        }
23    }
24 }
25 }
```

```
1 import java.util.Scanner;
2 public class Main {
3     public static void main(String[] args){
4         Scanner sc =new Scanner(System.in);
5         int[] array = { 10,20,30,40,50,60,70,80,90};
6         int sum = 0;
7         int i =0;
8         for(int ele : array){
9             i++;
10            sum += ele;
11        }
12        System.out.println("avarege is "+ (sum/i));
13
14    }
15 }
```



```
1  import java.util.Arrays;
2  import java.util.Scanner;
3  ▶ public class Main {
4  ▶      public static void main(String[] args){
5          Scanner sc =new Scanner(System.in);
6          System.out.println("Enter number of elements in array :");
7          int n = sc.nextInt();
8          int[] array = new int[n];
9          int[] array2 = new int[n];
10         for(int i =0 ; i < n ; i++){
11             System.out.println("Enter element at "+i+" index in array");
12             array[i] = sc.nextInt();
13         }
14         int j = 0;
15         for(int i = n-1 ; i>=0 ; i--){
16             array2[j] = array[i];
17             j++;
18         }
19         System.out.println("Original array : "+ Arrays.toString(array));
20         System.out.println("reversed array : "+ Arrays.toString(array2));
21     }
22 }
23 }
```

```
1  import java.util.Arrays;
2  import java.util.Scanner;
3  ▶ public class Main {
4  ▶      public static void main(String[] args){
5          Scanner sc = new Scanner(System.in);
6          System.out.println("Enter number of elements in array :");
7          int n = sc.nextInt();
8          int[] array = new int[n];
9          for(int i = 0 ; i < n ; i++){
10             System.out.println("Enter element in array at "+i+" index");
11             array[i] = sc.nextInt();
12         }
13         int max = array[0];
14         for(int i = 1 ; i < n ; i++){
15             if(array[i] > max){
16                 max = array[i];
17             }
18         }
19         System.out.println("Greatest element in array is : "+max);
20     }
21 }
```



```
1  import java.util.Arrays;
2  import java.util.Scanner;
3  ▶ public class Main {
4  ▶      public static void main(String[] args){
5          Scanner sc =new Scanner(System.in);
6          System.out.println("Enter number of elements in array :");
7          int n = sc.nextInt();
8          int[] array = new int[n];
9          for(int i = 0 ; i < n ; i++){
10             System.out.println("Enter element in array at "+i+" index");
11             array[i] = sc.nextInt();
12         }
13         int min = array[n-1];
14         for(int i = 0 ; i < n ; i++){
15             if(array[i] < min ){
16                 min = array[i];
17             }
18         }
19         System.out.println("shortest element in array is : "+min);
20     }
21 }
```

```
1  import java.util.Arrays;
2  import java.util.Scanner;
3  ▶ public class Main {
4  ▶      public static void main(String[] args){
5          Scanner sc =new Scanner(System.in);
6          System.out.println("ENter number of elements in array :");
7          int n = sc.nextInt();
8          int[] array = new int[n];
9          for(int i = 0 ; i < n ; i++){
10             System.out.println("Enter element in array at "+i+" index");
11             array[i] = sc.nextInt();
12         }
13         System.out.println("original array : "+ Arrays.toString(array));
14         for(int i = 0 ; i < n ; i++){
15             for(int j = 0 ; j < i ; j++){
16                 ⚡ if(array[i] < array[j]){
17                     int temp = array[i];
18                     array[i] = array[j];
19                     array[j] = temp ;
20                 }
21             }
22         }
23         System.out.println("Sorted array : "+ Arrays.toString(array));
24     }
25 }
```

```
1 import java.util.Arrays;
2 import java.util.Scanner;
3 ▶ public class Main {
4
5     public static void table(int num){ 1 usage
6         for(int i = 1 ; i < 11 ; i++){
7             System.out.println(i*num);
8         }
9     }
10 ▶ public static void main(String[] args){
11     Scanner sc =new Scanner(System.in);
12     System.out.println("ENter number :");
13     int n = sc.nextInt();
14     table(n);
15 }
16 }
```

```
1  import java.util.Arrays;
2  import java.util.Scanner;
3  ▶ public class Main {
4
5      public static void pyramid(int num){ 1 usage
6          for(int i = 1 ; i <= num+1 ; i++){
7              for(int j = 1 ; j < i ; j++){
8                  System.out.print("*");
9              }
10             System.out.println();
11         }
12     }
13  ▶ public static void main(String[] args){
14      Scanner sc =new Scanner(System.in);
15      System.out.println("ENter number :");
16      int n = sc.nextInt();
17      pyramid(n);
18  }
19 }
```

```
1  import java.util.Arrays;
2  import java.util.Scanner;
3  ▶ public class Main {
4
5      public static int sum(int num){ 2 usages
6          if(num == 1){
7              return 1 ;
8          }
9          else {
10             ↻ return num + sum( num: num-1);
11         }
12     }
13     ▶ public static void main(String[] args){
14         Scanner sc =new Scanner(System.in);
15         System.out.println("ENter number :");
16         int n = sc.nextInt();
17         int sum = sum(n);
18         System.out.println(sum);
19     }
20 }
```



```
1  import java.util.Arrays;
2  import java.util.Scanner;
3  ▶ public class Main {
4
5      public static int fibonacci(int num){ 3 usages
6          if ( num <= 1 ){
7              return 1;
8          }
9          else {
10             ↻ return fibonacci( num: num-1) + fibonacci( num: num-2);
11         }
12     }
13
14     ▶ public static void main(String[] args){
15         Scanner sc =new Scanner(System.in);
16         System.out.println("ENter number :");
17         int n = sc.nextInt();
18         int fibonacci = fibonacci(n);
19         System.out.println(fibonacci);
20     }
21 }
```

```
2  import java.util.Scanner;
3  public class Main {
4
5      public static int[] fibo(int num){ 1 usage
6          int[] fiboseries = new int[num];
7          fiboseries[0] = 0;
8          fiboseries[1] = 1;
9          if(num <=2 ){
10             fiboseries = fiboseries;
11         }
12         else if(num > 2){
13             for(int i = 2 ; i < num ; i++){
14                 fiboseries[i] = fiboseries[i-1] + fiboseries[i-2];
15             }
16         }
17         return fiboseries;
18     }
19     public static void main(String[] args){
20         Scanner sc =new Scanner(System.in);
21         System.out.println("Enter number :");
22         int n = sc.nextInt();
23         int[] fibo = fibo(n);
24         System.out.println(Arrays.toString(fibo));
25     }
26 }
```

```
1 import java.util.Arrays;
2 import java.util.Scanner;
3 public class Main {
4     @ public static float average(int[] array, int size){ 1 usage
5         int sum =0 ;
6         for(int ele : array){
7             sum += ele;
8         }
9         return (float)(sum)/size;
10
11     }
12     public static void main(String[] args){
13         Scanner sc =new Scanner(System.in);
14         int i =0 ;
15         int[] array = new int[50];
16         while(true){
17             System.out.println("Enter number to find average | enter -1 to exit ");
18             int num = sc.nextInt();
19             if(num == -1){
20                 break;
21             }
22             else {
23                 i++;
24                 array[i] = num;
25             }
26         }
27         float average = average(array, i);
28         System.out.println("Average is : "+ (float)(average));
29     }
30 }
```