

```
1 import java.util.*;
2
3 class SIB_IIB{
4     static int number=20;
5     static int variable=20;
6
7     static{
8         number=number+25;
9         System.out.println("Static block: "+number);
10    }
11    public static void multiply() {
12        number=number*number;
13        System.out.println("Static method: "+number);
14    }
15
16    public static void main(String args[]) {
17        SIB_IIB obj = new SIB_IIB();
18        System.out.println("static variable:"+variable);
19        obj.multiply();
20    }
21 }
22 }
```

Problems Javadoc Declaration Console ×

<terminated> SIB\_IIB [Java Application] C:\Users\shriv.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86\_64\_23.0.2.v202501:

Static block: 45  
static variable:20  
Static method: 2025

```
1 package pack;
2 import pl.Name;
3
4 public class ex1 {
5     public static void main(String args[]) {
6         Name obj = new Name();
7         String n = obj.getName();
8         System.out.println("You entered: " + n);
9     }
10 }
```

Problems @ Javadoc Declaration Console ×

<terminated> ex1 [Java Application] C:\Users\shriv\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86\_64\_23.0.2.v20250131-0604\jre\bin\jav

Enter the name:

shri

You entered: shri

```
1 package mypack;
2
3 import java.util.*;
4
5 public class Radius{
6
7     public static double getRadius() {
8
9         return 25;
10    }
11 }
```

```
1 package jav;
2
3 import mypack.Radius;
4
5
6
7 class Circle{
8     static double area;
9     public static void main(String args[]) {
10         double r = Radius.getRadius();
11         area = Math.PI*(r*r);
12         System.out.println("area of circle: "+area);
13     }
14 }
15
16
```

Problems @ Javadoc Declaration Console ×

<terminated> Circle [Java Application] C:\Users\shriv\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86\_64\_23.0.2.v20250131-0604\jre\bin\javaw.exe (13 Feb 2025, 10:00 AM)  
area of circle: 1963.4954084936207

```
1 import java.util.*;
2
3 class RightanglePattern{
4     static int number;
5
6     public static void main(String args[]) {
7         System.out.println("Enter the number: ");
8         Scanner c = new Scanner(System.in);
9         number=c.nextInt();
10
11         for(int i=0;i<number;i++) {
12             for(int j=0;j<i+1;j++) {
13                 System.out.print("*");
14             }
15             System.out.println();
16         }
17     }
18 }
```

Problems @ Javadoc Declaration Console ×

<terminated> RightanglePattern [Java Application] C:\Users\shriv\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86\_64\_23.0.2.v20250131-06

```
5
*
**
***
****
*****
```

```

1  /** Pattern program */
2
3  import java.util.*;
4
5  class PerfectPyramid{
6      static int number;
7
8      public static void main(String args[]){
9
10         System.out.println("Enter the number of column to print the pattern: ");
11         Scanner c = new Scanner(System.in);
12         number=c.nextInt();
13
14         for(int i = 0; i < number; i++){
15
16             for (int j = number - i; j > 1; j--) {
17                 System.out.print(" ");
18             }
19
20             for (int j = 0; j <= i; j++) {
21                 System.out.print("* ");
22             }
23
24             System.out.println();
25
26         }
27     }
28
29 }

```

Problems @ Javadoc Declaration Console ×

<terminated> PerfectPyramid [Java Application] C:\Users\shriv.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86\_64\_23.0.2.v20250131-0604

Enter the number of column to print the pattern:

```

5
|
  *
 * *
* * *
* * * *
* * * * *

```

```
1 import java.util.*;
2
3 class SeriesSum{
4     static int n;
5     static int sum = 0;
6     static int term = 0;
7     public static void main(String args[]) {
8         System.out.println("Enter the number: ");
9         Scanner c = new Scanner(System.in);
10        n=c.nextInt();
11        for(int i=0;i<n;i++) {
12            term=term*10+1;
13            sum=sum+term;
14        }
15        System.out.println(sum);
16    }
17 }
18
19 //1+11+111+1111+11111...n
```

Problems @ Javadoc Declaration Console ×

<terminated> SeriesSum [Java Application] C:\Users\shriv\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86\_64\_23.0.2.v20250131-0604\jre\

Enter the number:

5

12345

```

1  /** Fibonacci series */
2
3  import java.util.*;
4
5  class Fibonacci{
6
7      static int total;
8      static int number1=0;
9      static int number2=1;
10     static int next_number=0;
11
12     public static void main(String args[]){
13         System.out.println("Enter the value for finding fibonacci series: ");
14         Scanner C = new Scanner(System.in);
15         total=C.nextInt();
16         if((number1==0) && (number2==1)){
17             System.out.println(number1);
18             System.out.println(number2);
19         }
20         for(int i=3;i<=total;i++){
21             next_number=number1+number2;
22             System.out.println(next_number);
23             number1=number2;
24             number2=next_number;
25         }
26     }
27 }

```

Problems @ Javadoc Declaration Console ×

<terminated> Fibonacci [Java Application] C:\Users\shriv.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86\_64\_23.0.2.v20250131-0604\jre\

5  
0  
1  
1  
2  
3

```

1 import java.util.*;
2
3 class Pallindrome{
4
5     static int number=121;
6     static int reference=number;
7     static int remainder;
8     static int result;
9
10 public void palindrome(){
11
12     while(number>0){
13
14         remainder = number%10;
15         //for last digit
16         result = (result*10) + remainder;
17         number = number/10;
18         //for decreasing number
19     }
20 }
21 public static void main(String args[]){
22     Pallindrome object = new Pallindrome();
23     object.palindrome();
24     if(reference==result){
25         System.out.println("The number "+reference+" is a palindrome number");
26     }
27     else{
28         System.out.println(reference+" is not a palindrome number");
29     }
30 }
31 }

```

@ Javadoc Declaration Console ×

<terminated> Pallindrome [Java Application] C:\Users\shriv.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86\_64\_23.0.2.v20230718-1.0\jre\bin\java.exe  
The number 121 is a palindrome number



```

1  /** 145=1!+4!+5! */
2
3  import java.util.*;
4
5  class StrongNumber{
6      static int number;
7      static int fact=1;
8      static int remainder;
9      static int sum=0;
10
11     public void factorial(){
12
13         while(number>0){
14             remainder=number%10;
15             number=number/10;
16             for(int j=1;j<=remainder;j++) {
17                 fact=fact*j;
18             }
19             sum=sum+fact;
20             fact=1;
21         }
22     }
23     public static void main(String args[]) {
24         System.out.println("Enter the number: ");
25         Scanner c = new Scanner(System.in);
26         number=c.nextInt();
27         int reference=number;
28         StrongNumber obj=new StrongNumber();
29         obj.factorial();
30         if(reference==sum) {
31             System.out.println("The entered number is Strong number");
32         }
33     }

```

@ Javadoc Declaration Console ×

<terminated> StrongNumber [Java Application] C:\Users\shriv.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86\_64\_23.0.2.v20250131-0604\

Enter the number:

145

The entered number is Strong number

```

1  import java.util.*;
2
3
4  class Average{
5      static int number;
6      static int sum=0;
7      static double average;
8
9      public static void main(String arg[]) {
10         System.out.println("Enter a number: ");
11         Scanner c=new Scanner(System.in);
12         number=c.nextInt();
13         int a[]=new int[number];
14         System.out.println("Enter a inputs: ");
15         for(int i=0;i<number;i++) {
16             a[i]=c.nextInt();
17             sum=sum+a[i];
18         }
19         average=sum/number;
20         System.out.println("Average of the entered values are: "+average);
21     }
22 }

```

<terminated> Average [Java Application] C:\Users\shriv\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86\_64\_23.0.2.v20250131-0604\jre\bin\javaw.exe (14 Feb 2025, 3:28:47 pm - 3:29:00 pm elapsed: 0:00:13.102) [pid: 9832]

Enter a number:

5

Enter a inputs:

1

2

3

4

5

Average of the entered values are: 3.0

```
1 import java.util.*;
2
3 class DifferenceProduct{
4     public static void main(String args[]) {
5         int num1=45;
6         int num2=32;
7
8         int difference =num1-num2;
9         int product=num1*num2;
10        System.out.println("difference: "+difference);
11        System.out.println("product: "+product);
12    }
13 }
```

@ Javadoc Declaration Console ×

<terminated> DifferenceProduct [Java Application] C:\Users\shriv\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86  
difference: 13  
product: 1440

```
1 class DoubletoInt{
2     public static void main(String args[]) {
3         double value=100.235;
4         int change=(int)value;
5         System.out.println("conversion of the double value "+value+" is: "+change);
6     }
7 }
```

@ Javadoc Declaration Console ×

<terminated> DoubletoInt [Java Application] C:\Users\shriv\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86\_64\_23.0.2.v20250  
conversion of the double value 100.235 is: 100

```
1 class Addition{
2     public static void main(String args[]) {
3         int value1=5;
4         double value2=6.2;
5         double sum;
6         sum=value1+value2;
7         System.out.println("sum of the inputs is: "+sum);
8     }
9 }
10 }
```

@ Javadoc Declaration Console ×

<terminated> Addition [Java Application] C:\Users\shriv\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86\_64\_23.0.2.v  
sum of the inputs is: 11.2

```
1 class Addition{
2     public static void main(String args[]) {
3         int value1=5;
4         double value2=6.2;
5         double sum;
6         sum=value1+value2;
7         System.out.println("sum of the inputs is: "+sum);
8     }
9 }
10 }
```

@ Javadoc Declaration Console ×

<terminated> Addition [Java Application] C:\Users\shriv.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86\_64\_23.0.2.v20250131-0604  
sum of the inputs is: 11.2

```
1 class Testcase{
2     public static void main(String args[]) {
3         int sum=2345;
4         sum=sum+8;
5         sum=sum/3;
6         sum=sum%5;
7         sum=sum*5;
8
9         System.out.println(sum);
10    }
11 }
```

@ Javadoc Declaration Console ×

<terminated> Testcase [Java Application] C:\Users\shriv\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86\_64\_23.0.2.v20250131-0604  
20

```

1  import java.util.*;
2
3  class SumArray{
4      public static void main(String args[]) {
5          System.out.println(" Enter the count: ");
6          int num;
7          int sum=0;
8          int add=0;
9          Scanner c= new Scanner(System.in);
10         num=c.nextInt();
11         int a[]= new int[num];
12         for(int i=0;i<num;i++) {
13             a[i]=c.nextInt();
14         }
15         for(int i=0;i<num;i++) {
16             if(a[i]%2==0) {
17                 sum=sum+a[i];
18             }
19             if(a[i]%2!=0) {
20                 add=add+a[i];
21             }
22         }
23         System.out.println("even sum is: "+sum);
24         System.out.println("odd sum is: "+add);
25     }
26 }
27
28
29

```

<terminated> SumArray [Java Application] C:\Users\shriv.p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86\_64\_23.0.2.v20250131-0604\jre\bin\javaw.exe (14 Feb 2025, 4:00:02 pm – 4:00:34 pm elapsed: 0:00:32.107) [pid: 4108]

Enter the count:

10  
2  
4  
6  
8  
10  
1  
2  
3  
5  
7

even sum is: 32  
odd sum is: 16



```

1 import java.util.*;
2
3 class Grade{
4     static int num;
5
6     public static void main(String args[]) {
7         System.out.println("Enter the count of the subject: ");
8         Scanner c = new Scanner(System.in);
9         num=c.nextInt();
10        int a[]=new int[num];
11        System.out.println("Enter the marks obtained: ");
12        for(int i =0;i<num;i++) {
13            a[i]=c.nextInt();
14
15            if(a[i]>90 && a[i]<=100) {
16                System.out.println("Grade according to the mark obtained is: AA");
17            }
18            if(a[i]>80 && a[i]<=90) {
19                System.out.println("Grade according to the mark obtained is: AB");
20            }
21            if(a[i]>70 && a[i]<=80) {
22                System.out.println("Grade according to the mark obtained is: BB");
23            }
24            if(a[i]>60 && a[i]<=70) {
25                System.out.println("Grade according to the mark obtained is: BC");
26            }
27            if(a[i]>50 && a[i]<=60) {
28                System.out.println("Grade according to the mark obtained is: CD");
29            }
30            if(a[i]>40 && a[i]<=50) {
31                System.out.println("Grade according to the mark obtained is: DD");

```

<terminated> Grade [Java Application] C:\Users\shriv.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86\_64\_23.0.2.v20250131-0604\jre\bin\javaw.exe (14 Feb 2025, 8:16:58 pm - 8:17:58 pm elapsed: 0:01:00.441) [pid: 2060]

Enter the count of the subject:

5  
Enter the marks obtained:

91  
Grade according to the mark obtained is: AA

65  
Grade according to the mark obtained is: BC

70  
Grade according to the mark obtained is: BC

90  
Grade according to the mark obtained is: AB

60  
Grade according to the mark obtained is: CD

```
1 import java.util.*;
2
3 class Replace{
4
5 public static void main(String args[]){
6     String str="A batman with bat";
7     System.out.println(str.replace("bat", "snow"));
8 }
9
10 }
```

@ Javadoc Declaration Console ×

<terminated> Replace [Java Application] C:\Users\shriv\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86\_64\_23.0.2,  
A snowman with snow

```

1 import java.util.*;
2
3 class Complex{
4     static int real1;
5     static int real2;
6     static double ima1;
7     static double ima2;
8     static int sum_real;
9     static double sum_ima;
10    static int difference_real;
11    static double difference_ima;
12    static int product_real;
13    static double product_ima;
14
15    public void add() {
16        sum_real=real1+real2;
17        sum_ima=ima1+ima2;
18    }
19    public void difference() {
20        difference_real=real1-real2;
21        difference_ima=ima1-ima2;
22    }
23    public void multiply() {
24        product_real=real1*real2;
25        product_ima=ima1*ima2;
26    }
27 }
28
29
30 public static void main(String arg[]) {
31     Scanner c = new Scanner(System.in);
32     System.out.println("Enter real part of comlex number 1: ");
33     real1=c.nextInt();
34     System.out.println("Enter imaginary part of comlex number 1: ");
35     ima1=c.nextInt();
36     System.out.println("Enter real part of comlex number 2: ");
37     real2=c.nextInt();
38     System.out.println("Enter imaginary part of comlex number 2: ");
39     ima2=c.nextInt();
40     Complex object = new Complex();
41     object.add();
42     object.difference();
43     object.multiply();

```

<terminated> Complex [Java Application] C:\Users\shriv.p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86\_64\_23.0.2.v20250131-0604\jre\bin\javaw.exe (14 Feb 2025, 10:28:23 pm - 10:28:41 pm elapsed: 0:00:17.931) [pid: 28276]

Enter real part of comlex number 1:

8

Enter imaginary part of comlex number 1:

4

Enter real part of comlex number 2:

5

Enter imaginary part of comlex number 2:

3

sum of the two complex numbers= 13 + 7.0i

difference of the two complex numbers= 3 + 1.0i

product of the two complex numbers= 40 + 12.0i

```

1 import java.util.*;
2
3 class Name{
4     static String name;
5
6     Name(){
7         System.out.println("Unknown");
8     }
9     Name(String name){
10        System.out.println(name);
11    }
12
13    public static void main(String args[]) {
14
15        System.out.println("Enter any name: ");
16        Scanner c = new Scanner(System.in);
17        name=c.next();
18        Name obj1 = new Name(name);
19        Name obj2 = new Name();
20
21
22    }
23 }

```

@ Javadoc Declaration Console X

<terminated> Name [Java Application] C:\Users\shriv\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86\_64\_23.0.2.v20250131-0604\jre\b

Enter any name:

Shri

Shri

Unknown

```

1 class TwinPrime {
2     public static void main(String[] args) {
3         System.out.println("Twin primes less than 100:");
4
5         for (int i = 2; i < 100; i++) {
6             boolean Prime1 = true;
7             boolean Prime2 = true;
8
9             // Check if i is prime
10            for (int j = 2; j * j <= i; j++) {
11                if (i % j == 0) {
12                    Prime1 = false;
13                    break;
14                }
15            }
16
17            // Check if i+2 is prime
18            for (int j = 2; j * j <= (i + 2); j++) {
19                if ((i + 2) % j == 0) {
20                    Prime2 = false;
21                    break;
22                }
23            }
24
25            // Print twin prime pair
26            if (Prime1 && Prime2) {
27                System.out.println("(" + i + ", " + (i + 2) + ")");
28            }
29        }
30    }
31 }

```

<terminated> TwinPrime [Java Application] C:\Users\shriv.p2\pool\plugins\org.eclipse.justi.openjdk hotspot\jre.full.win32.x86\_64\_23.0.2.v20250131-0604\jre\bin\javaw.exe (14 Feb 2025, 10:57:31 pm - 10:57:32 pm elapsed: 0:00:00.365) [pid: 22604]

Twin primes less than 100:

```

(3, 5)
(5, 7)
(11, 13)
(17, 19)
(29, 31)
(41, 43)
(59, 61)
(71, 73)

```