



srinu.java



Saved

```
1 public class Main
2 {
3     public static void main(String[] args)
4     {
5         int i,j,k;
6         for(i=1;i<=5;i++)
7         {
8             for(j=5;j>i;j--)
9             {
10                 System.out.print(" ");
11             }
12             if(i%2!=0)
13             {
14                 for(j=1,k=1;j<=2*i-1;j++)
15                 {
16                     if(j<i)
17                     {
18                         System.out.print(k);
19                         k++;
20                     }
21                     else
22                     {
23                         System.out.print(k);
24                         k--;
25                     }
26                 }
27             }
28             else
29             {
30                 for(j=1,k=i;j<=2*i-1;j++)
31                 {
32                     if(j<i)
33                     {
34                         System.out.print(k);
35                         k--;
36                     }
37                 }
38             }
39         }
40     }
41 }
```



Terminal



```
1
212
12321
4321234
123454321
```

```
Process finished.
```

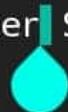


srinu2.java



Saved

```
1 import java.util.Scanner;
2
3 public class DemoTranslation {
4     public static void main(String[] args) {
5         int n;
6         float sum;
7         int count;
8
9
10        System.out.print("\nEnter total number of terms");
11        n = STDIN_SCANNER.nextInt();
12
13
14        sum = 0.0f;
15
16
17        count = 1;
18        for(int i = 1; i <= n; i++) {
19            sum = sum + (float)Math.pow(count, 2) / (float)M;
20            count += 2;
21        }
22
23        System.out.printf("\nSum of the series is :: %f\n");
24    }
25
26    public final static Scanner STDIN_SCANNER = new
27
28 }
```



Terminal



Enter total number of terms :: 7

Sum of the series is :: 1.955134

Process finished.



srinu1.java



Saved

```
1 abstract class Furniture {  
2  
3     protected String color;  
4     protected int width;  
5     protected int height;  
6     public abstract void accept();  
7     public abstract void display();  
8 }  
9     class chair extends Furniture {  
10    private int numOf_legs;  
11  
12    public void accept() {  
13  
14        color = "Brown";  
15        width = 36;  
16        height = 48;  
17        numOf_legs = 4;  
18    }  
19    public void display() {  
20        System.out.println("DISPLAYING VALUE FOR CHAIR");  
21        System.out.println("=====");  
22        System.out.println("Color is" + color);  
23        System.out.println("Width is" + width);  
24        System.out.println("Height is" + height);  
25        System.out.println("Number of legs is" + numOf_legs);  
26        System.out.println(" ");  
27    }  
28 }  
29  
30 class Bookshelf extends Furniture {  
31  
32    private int numOf_shelves;  
33  
34    public void accept() {  
35  
36        color = "Black";  
37        width = 72;
```

x Terminal



```
DISPLAYING VALUES FOR BOOKSHELF  
=====  
Color isBlack  
Width is72  
Height is84  
Number of shelves is4
```