```java
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.println("author: A.swathi \n sapid:51834629");
11 System.out.println("question 5");
12 System.out.print("\nEnter total number of terms :: ");
13 n = STDIN_SCANNER.nextInt();
14
15
16 sum = 0.0f;
17
18
19 count = 1;
20 for(int i = 1; i <= n; i++) {
21 sum = sum + (float)Math.pow(count, 2) / (float)Math.pow(count,
22 count += 2;
23 }
24
25 System.out.printf("\nSum of the series is :: %f\n", sum);
26 }
27
28 public final static Scanner STDIN_SCANNER = new Scanner(System
29 }
```

Terminal

```
author: A.swathi
 sapid:51834629
question 5

Enter total number of terms :: 10

Sum of the series is :: 2.133256
Process finished.
```

```java
public class Main
{
    public static void main(String[] args)
    {
        System.out.println("author:A.swathi \n sapid:51834629");
        System.out.println("question 4");
        int i,j,k;
        for(i=1;i<=5;i++)
        {
            for(j=5;j>i;j--)
            {
                System.out.print(" ");
            }
            if(i%2!=0)
            {
                for(j=1,k=1;j<=2*i-1;j++)
                {
                    if(j<i)
                    {
                        System.out.print(k);
                        k++;
                    }
                    else
                    {
                        System.out.print(k);
                        k--;
                    }
                }
            }
            else
            {
                for(j=1,k=i;j<=2*i-1;j++)
                {
                    if(j<i)
                    {
                        System.out.print(k);
                        k--;
                    }
                    else
                    {
```

```java
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
21    System.out.println("DISPLAYING VALUE FOR CHAIR");
22    System.out.println("================================");
23    System.out.println("Color is" + color);
24    System.out.println("Width is" + width);
25    System.out.println("Height is" + height);
26    System.out.println("Number of legs is" + numOf_legs);
27    System.out.println(" ");
28    }
29  }
30
31  class Bookshelf extends Furniture {
32
33    private int numOf_shelves;
```

✕ *Terminal*

```
author:A.swathi
 sapid:51834629
question 2
DISPLAYING VALUES FOR BOOKSHELF
================================
Color isBlack
Width is72
Height is84
Number of shelves is4

DISPLAYING VALUE FOR CHAIR
================================
Color isBrown
Width is36
Height is48
Number of legs is4

Process finished.
```

```java
1   import java.util.*;
2
3   class Height
4   {
5       private int feet;
6       private int inches;
7
8       public void getDistance()
9       {
10          Scanner sc=new Scanner(System.in);
11
12          System.out.print("Enter feet: ");
13          feet=sc.nextInt();
14          System.out.print("Enter inches: ");
15          inches=sc.nextInt();
16      }
17      public void showDistance()
18      {
19          System.out.println("Feet: "+ feet + "\tInches: "+ inches
20      }
21
22      public void addDistance(Height H1, Height H2)
23      {
24          inches=H1.inches+H2.inches;
25          feet=H1.feet+H2.feet+(inches/12);
26          inches=inches%12;
27      }
28  }
29
30  public class Main
31  {
32      public static void main(String []s)
33      {
34          try
35          {
36
37              Height H1=new Height();
38              Height H2=new Height();
39              Height H3=new Height();
```

```java
1   import java.util.*;
2
3   class Main
4   {
5     public static int[] remove(int[] x, int key) {
6
7       List<Integer> result = new ArrayList<>();
8
9       for (int y: x) {
10        if (y != key) {
11          result.add(y);
12        }
13      }
14
15      return result.stream()
16            .mapToInt(Integer::intValue)
17            .toArray();
18    }
19
20    public static void main(String[] args) {
21      int[] x = { 1, 4, 1, 3, 1, 2, 1, 0 };
22      int key = 1;
23
24      x = remove(x, key);
25      System.out.println("Author: A.swathi \nSAP ID:51834629");
26      System.out.println("question 3");
27      System.out.println(Arrays.toString(x));
28    }
29  }
```

Terminal ✕ 🗗

```
Author: A.swathi
SAP ID:51834629
question 3
[4, 3, 2, 0]
Process finished.
```