```java
import java.util.*;

class Height
{
    private int feet;
    private int inches;

    public void getDistance()
    {
        Scanner sc=new Scanner(System.in);

        System.out.print("Enter feet: ");
        feet=sc.nextInt();
        System.out.print("Enter inches: ");
        inches=sc.nextInt();

    d showDistance()
```

File info ⓘ

```java
17    }
18    public void showDistance()
19    {
20        System.out.println("Feet: "+ feet + "\tInches: "+ inches);
21    }
22
23    public void addDistance(Height H1, Height H2)
24    {
25        inches=H1.inches+H2.inches;
26        feet=H1.feet+H2.feet+(inches/12);
27        inches=inches%12;
28    }
29    }
30 }
31
32 public class Main
```

File info ⓘ `tic void main(String []s)`

```java
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();
40
41       //read first Height
42       System.out.println("Author:K.Lokesh\nSAP ID:51834512");
43       System.out.println("Enter first Height: ");
44       H1.getDistance();
45
46       //read second Height
                          second Height: ");
```

```java
     //read second Height
     System.out.println("Enter second Height: ");
     H2.getDistance();

     //add heights
     H3.addDistance(H1,H2);
     //print Height
     System.out.println("Total Height is:" );
     H3.showDistance();
   }
  catch (Exception e)
   {
     System.out.println("Exception occurred :"+ e.toString());
   }
  }
 }
```

```
×        Terminal                    ⧉

Author:K.Lokesh
SAP ID:51834512
Enter first Height:
Enter feet: 5
Enter inches: 6
Enter second Height:
Enter feet: 4
Enter inches: 8
Total Height is:
Feet: 10 Inches: 2

Process finished.
▎
```

```java
abstract class Furniture {
  protected String color;
  protected int width;
  protected int height;
  public abstract void accept();
  public abstract void display();
 }
     class chair extends Furniture {
  private int numOf_legs;
  public void accept() {

  color = "Brown";
  width = 36;
  height = 48;
  numOf_legs = 4;

  id display()    {
```

File info ⓘ

```java
16
17  }
18     public void display()     {
19  System.out.println("DISPLAYING VALUE FOR CHAIR");
20  System.out.println("==================================");
21  System.out.println("Color is" + color);
22  System.out.println("Width is" + width);
23  System.out.println("Height is" + height);
24  System.out.println("Number of legs is" + numOf_legs);
25  System.out.println(" ");
26  }
27  }
28
29  class Bookshelf extends Furniture {
30
31    private int numOf_shelves;
```

File info ⓘ   accept() {

```java
31   private int numOf_shelves;
32
33   public void accept()  {
34
35    color ="Black";
36    width = 72;
37    height = 84;
38    numOf_shelves = 4;
39   }
40   public void display ()  {
41    System.out.println("DISPLAYING VALUES FOR BOOKSHELF");
42    System.out.println
43   ("===================================");
44
45   System.out.println("Color is" + color);
     System.out.println("Width is" + width);
     System.out.println("Height is" + height);
     System.out.println("Number of shelves is" + numOf_shelves);
```

File info ⓘ

```
45   System.out.println("Color is" + color);
46   System.out.println("Width is" + width);
47   System.out.println("Height is" + height);
48   System.out.println("Number of shelves is" + numOf_shelves);
49   System.out.println(" ");
50   }
51 }
52
53 class FurnitureDemo  {
54  public static void main(String[] args)   {
55   Bookshelf b1 = new Bookshelf();
56   b1.accept();
57   b1.display();
58
59
60   chair c1 = new chair ();
61   c1.accept();
       ();
```

File info ⓘ

```
50      }
51  }
52
53  class FurnitureDemo  {
54   public static void main(String[] args)   {
55    Bookshelf b1 = new Bookshelf();
56    b1.accept();
57    b1.display();
58
59
60    chair c1 = new chair ();
61    c1.accept();
62    c1.display();
63
64    }
65    }
```

File info ⓘ

```
×        Terminal                                    ⧉

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.
```

```
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   }
```

File info ⓘ

```
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:K.Lokesh\nSAP ID:51834512");
26      System.out.println(Arrays.toString(x));
27    }
28  }
```

File info ⓘ

```
× Terminal                          ⧉

Author:K.Lokesh
SAP ID:51834512
[4, 3, 2, 0]

Process finished.
```

```java
public class Main
{
  public static void main(String[] args)
  {
      int i,j,k;
      System.out.println("Author:K.Lokedh\n Sap id : 51834512");
      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);
```

```java
            {
                if(j<i)
                {
                    System.out.print(k);
                    k++;
                }
                else
                {
                    System.out.print(k);
                    k--;
                }
            }
        }
        else
        {
            for(i=1.k=i:i<=2*i-1:i++)
```

```java
        {
            if(j<i)
            {
                System.out.print(k);
                k--;
            }
            else
            {
                System.out.print(k);
                k++;
            }
        }
    }
    System.out.println();
    }
  }
```

File info ⓘ

```
Author:K.Lokedh
  Sap id : 51834512
       1
      212
     12321
    4321234
  123454321

Process finished.
```

```java
import java.util.Scanner;

public class DemoTranslation {
public static void main(String[] args) {
int n;
float sum;
int count;
System.out.println("Author:K.Lokesh\n Sap id : 51834512");
System.out.print("\nEnter total number of terms :: ");
n = STDIN_SCANNER.nextInt();


sum = 0.0f;


count = 1;
                        ++) {
                     pow(count, 2) / (float)Math.pow(count, 3);
```

```
12
13 sum = 0.0f;
14
15
16 count = 1;
17 for(int i = 1; i <= n; i++) {
18 sum = sum + (float)Math.pow(count, 2) / (float)Math.pow(count, 3);
19 count += 2;
20 }
21
22 System.out.printf("\nSum of the series is :: %f\n", sum);
23 }
24
25 public final static Scanner STDIN_SCANNER = new Scanner(System.in);
26 }
```

Try Dcoder's keyboard ⌨

```
Author:K.Lokesh
 Sap id : 51834512

Enter total number of terms :: 11

Sum of the series is :: 2.180875

Process finished.
```