```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()

            out.println("Feet: "+ feet + "\tInches: "+ inches);
```

File info

```
    {
        System.out.println("Feet: "+ feet + "\tInches: "+ inches);
    }

    public void addDistance(Height H1, Height H2)
    {
        inches=H1.inches+H2.inches;
        feet=H1.feet+H2.feet+(inches/12);
        inches=inches%12;
    }
}

public class Main
{
    public static void main(String []s)
    {
        try
```

File info

```
        Height H1=new Height();
```

```
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:v.pavankumar\nSAP ID:51834509");
43          System.out.println("Enter first Height: ");
44          H1.getDistance();
45
46          //read second Height
47          System.out.println("Enter second Height: ");
48          H2.getDistance();
49
50          //add heights
51          H3.addDistance(H1,H2);
            //print Height
            System.out.println("Total Height is:" );
            H3.showDistance();
```

File info

```
51              H3.addDistance(H1,H2);
52              //print Height
53              System.out.println("Total Height is:" );
54              H3.showDistance();
55          }
56          catch (Exception e)
57          {
58              System.out.println("Exception occurred :"+ e.toString());
59          }
60      }
61  }
```

File info

```
Author:v.pavankumar
SAP ID:51834509
Enter first Height:
Enter feet: 2
Enter inches: 2
Enter second Height:
Enter feet: 1
Enter inches: 1
Total Height is:
Feet: 3Inches: 3

Process finished.
```

```
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;
```

File info

```
 color = "Brown";
 width = 36;
 height = 48;
 numOf_legs = 4;
}
   public void display()    {
 System.out.println("DISPLAYING VALUE FOR CHAIR");
 System.out.println("==================================");
 System.out.println("Color is" + color);
 System.out.println("Width is" + width);
 System.out.println("Height is" + height);
 System.out.println("Number of legs is" + numOf_legs);
 System.out.println(" ");
 }
}

class Bookshelf extends Furniture {
```

File info

```
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;
38    height = 84;
39    numOf_shelves = 4;
40   }
41   public void display ()  {
42    System.out.println("DISPLAYING VALUES FOR BOOKSHELF");
43    System.out.println
```

File info ⓘ

```
41   public void display ()  {
42    System.out.println("DISPLAYING VALUES FOR BOOKSHELF");
43    System.out.println
44   ("====================================");
45
46   System.out.println("Color is" + color);
47   System.out.println("Width is" + width);
48   System.out.println("Height is" + height);
49   System.out.println("Number of shelves is" + numOf_shelves);
50   System.out.println(" ");
51   }
52  }
53
54  class FurnitureDemo  {
55   public static void main(String[] args)   {
56    Bookshelf b1 = new Bookshelf();
```

File info ⓘ

```
52  }
53
54  class FurnitureDemo  {
55   public static void main(String[] args)   {
56    Bookshelf b1 = new Bookshelf();
57    b1.accept();
58    b1.display();
59
60
61    chair c1 = new chair ();
62    c1.accept();
63    c1.display();
64
65   }
66   }
```

File info

```
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.
```

pavan.java

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```java
import java.util.*;

class Main
{
    public static int[] remove(int[] x, int key)

        List<Integer> result = new ArrayList<>();

        for (int y: x) {
            if (y != key) {
                result.add(y);
            }
        }

        return result.stream()
                    .mapToInt(Integer::intValue)
                    .toArray();
    }

    public static void main(String[] args) {
        int[] x = { 1, 4, 1, 3, 1, 2, 1, 0 };
        int key = 1;

        x = remove(x, key);
        ntln("Author:v.pavankumar\n
        ntln(Arrays.toString(x));
    }
}
```

Select Select all Paste

File info

```
Author:v.pavankumar
SAP ID:51834509
[4, 3, 2, 0]

Process finished.
```

```java
public class Main
{
    public static void main(String[] args)
    {
        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(i<i)
```

File info

```
            {
                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++)
```

File info

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

File info

```
    1
   212
  12321
 4321234
123454321

Process finished.
```