



J2.java

Saved



```

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 + "\tInche
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();
40
41             //read first Height
42             System.out.println("Author:k.jithendra");
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);
52             //print Height
53             System.out.println("Total Height is:" );
54             H3.showDistance();
55         }

```

× Terminal



```

Author:k.jithendra
Enter first Height:
Enter feet:

```



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```
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                    else
38                    {
39                        System.out.print(k);
40                        k++;
41                    }
42                }
43            }
44            System.out.println();
45        }
46    }
```

× Terminal



```
1
212
12321
4321234
123454321
```

Process finished.

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```
1  act class Furniture {
2
3  tected String color;
4  tected int width;
5  tected int height;
6  lic abstract void accept();
7  lic abstract void display();
8
9  class chair extends Furniture {
10 vate int numOf_legs;
11
12 lic void accept() {
13
14 cor = "Brown";
15 th = 36;
16 ght = 48;
17 Of_legs = 4;
18
19 ublic void display() {
20 tem.out.println("DISPLAYING VALUE FOR CHAIR");
21 tem.out.println("=====");
22 tem.out.println("Color is" + color);
23 tem.out.println("Width is" + width);
24 tem.out.println("Height is" + height);
25 tem.out.println("Number of legs is" + numOf_legs);
26 tem.out.println(" ");
27
28
29
30 s Bookshelf extends Furniture {
31
32 vate int numOf_shelves;
33
34 lic void accept() {
35
36 lor = "Black";
37 dth = 72;
38 ight = 84;
39 mOf_shelves = 4;
40
41 lic void display () {
42 stem.out.println("DISPLAYING VALUES FOR BOOKSHELF");
43 stem.out.println
44 =====");
45
46 tem.out.println("Color is" + color);
47 tem.out.println("Width is" + width);
48 tem.out.println("Height is" + height);
49 tem.out.println("Number of shelves is" + numOf_s);
50 tem.out.println(" ");
51
52
53
54 s FurnitureDemo {
55 lic static void main(String[] args) {
56 okshelf b1 = new Bookshelf();
57 .accept();
```

× Terminal

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