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:
```

J2.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                     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.
```