

```
1 //2
2 abstract class Furniture {
3
4     protected String color;
5     protected int width;
6     protected int height;
7     public abstract void accept();
8     public abstract void display();
9 }
10     class chair extends Furniture {
11     private int num0f_legs;
12
13     public void accept() {
14
15         : File info ⓘ "black";
16     }
```



```
15 color = "Black";
16 width = 45;
17 height = 52;
18 numOf_legs = 4;
19 }
20 public void display() {
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 }
```

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```

29 }
30
31 class Bookshelf extends Furniture {
32
33     private int numOf_shelves;
34
35     public void accept() {
36
37         color ="Blue";
38         width = 62;
39         height = 60;
40         numOf_shelves =3;
41     }
42     public void display () {
43         it.println("DISPLAYING VALUES FOR BOOKSHELF");
44         it.println

```

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```

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

```



```
57 Bookshelf b1 = new Bookshelf();
58 b1.accept();
59 b1.display();
60
61
62 chair c1 = new chair ();
63 c1.accept();
64 c1.display();
65
66 }
67 }
```

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DISPLAYING VALUES FOR BOOKSHELF

Color isBlue

Width is62

Height is60

Number of shelves is3

DISPLAYING VALUE FOR CHAIR

=====

Color isBlack

Width is45

Height is52

Number of legs is4

Process finished.

```


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)

```

⋮ Share 




```
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++)
```

Share 




```
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 }
47 }
```

⋮ Share 



```
    1
  212
12321
4321234
123454321
```

Process finished.

```
1 //3
2 import java.util.*;
3
4 class Main
5 {
6     public static int[] remove(int[] x, int key) {
7
8         List<Integer> result = new ArrayList<>();
9
10        for (int y: x) {
11            if (y != key) {
12                result.add(y);
13            }
14        }
```

```
: File info ⓘ result.stream()
mapToInt(Integer::intValue)
```



```
15     return result.stream()
16         .mapToInt(Integer::intValue)
17         .toArray();
18 }
19
20 public static void main(String[] args) {
21     int[] x = { 1,4,2,3,2,5,2};
22     int key = 2;
23
24     x = remove(x, key);
25     System.out.println("Author:P.laasya");
26     System.out.println(Arrays.toString(x));
27 }
28 }
```

: File info ⓘ



Author:P.laasya

[1, 4, 3, 5]

Process finished.