



ccs.java



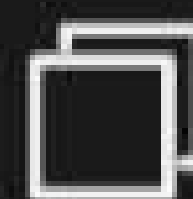
Saved

```
1  abstract class Furniture {
2
3      protected String color;
4      protected int width;
5      protected int height;
6      public abstract void accept();
7      public abstract void display();
8  }
9      class chair extends Furniture {
10     private int numOf_legs;
11
12     public void accept() {
13
14         color = "Brown";
15         width = 36;
16         height = 48;
17         numOf_legs = 4;
18     }
19     public void display() {
20         System.out.println("DISPLAYING VALUE FOR CHAIR")
21         System.out.println("=====")
22         System.out.println("Color is" + color);
23         System.out.println("Width is" + width);
24         System.out.println("Height is" + height);
25         System.out.println("Number of legs is" + numOf
26         System.out.println(" ");
27     }
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("=====")
44     }
```

Make public



x 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.



ccs.java

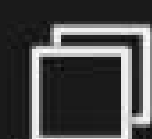


Saved

```
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);
```



Terminal



```
1
212
12321
4321234
123454321
```

Process finished



ccs.java



Saved

```
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     }
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:M.bharath\nSAP ID:51834556");
26         System.out.println(Arrays.toString(x));
27     }
28 }
```



Terminal



```
Author:M.bharath
SAP ID:51834556
[4, 3, 2, 0]
```

```
Process finished.
```