

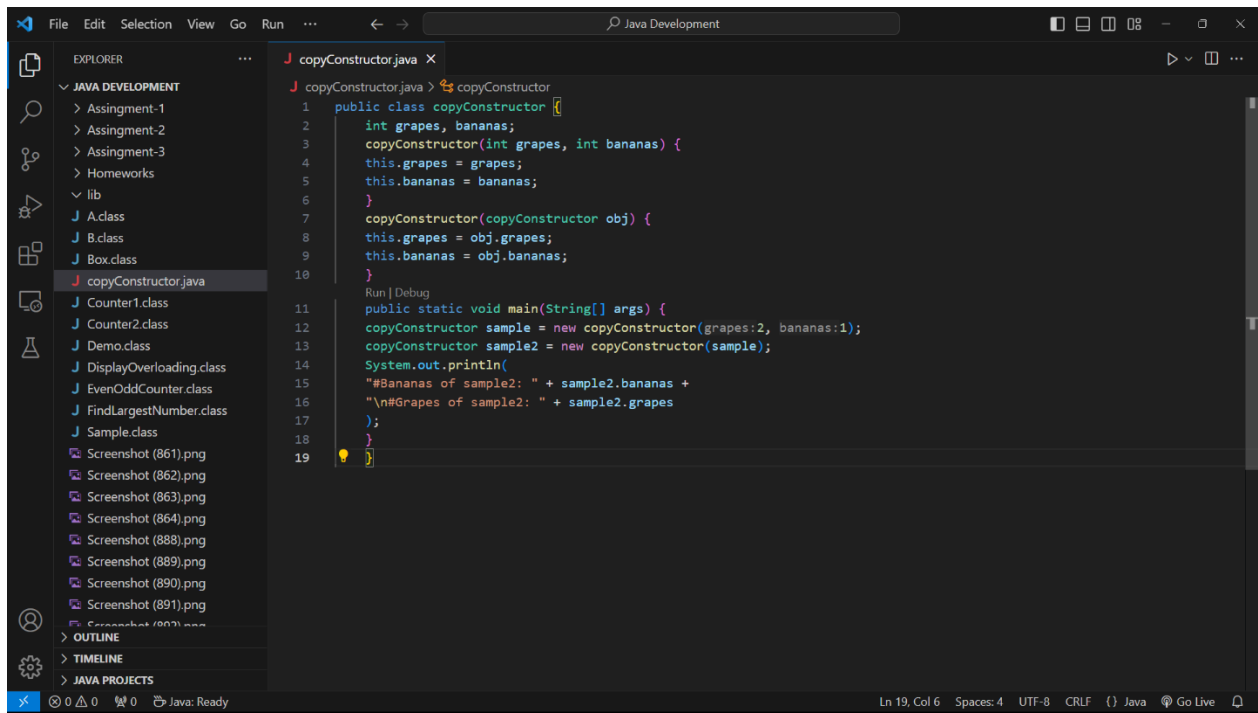
SUBMITTED BY: -

KANISHK

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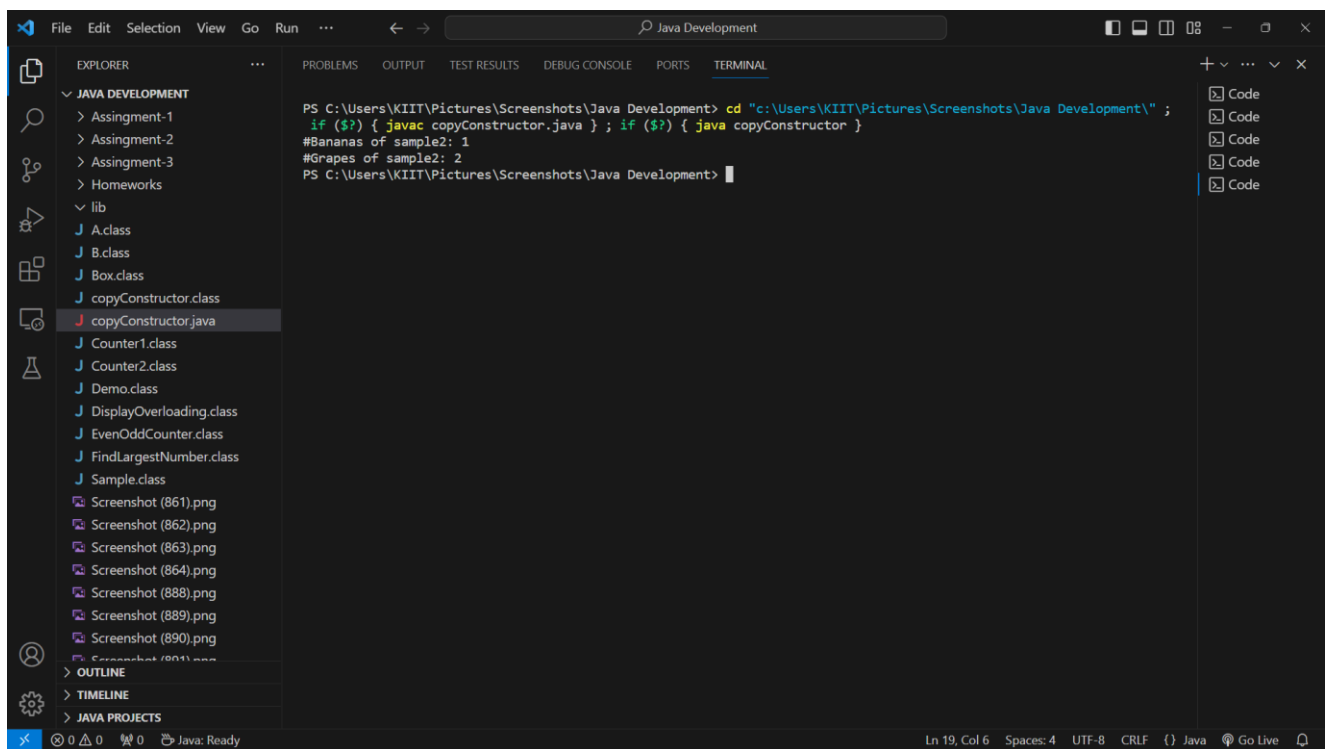
CSE-37

Q1 INPUT: -



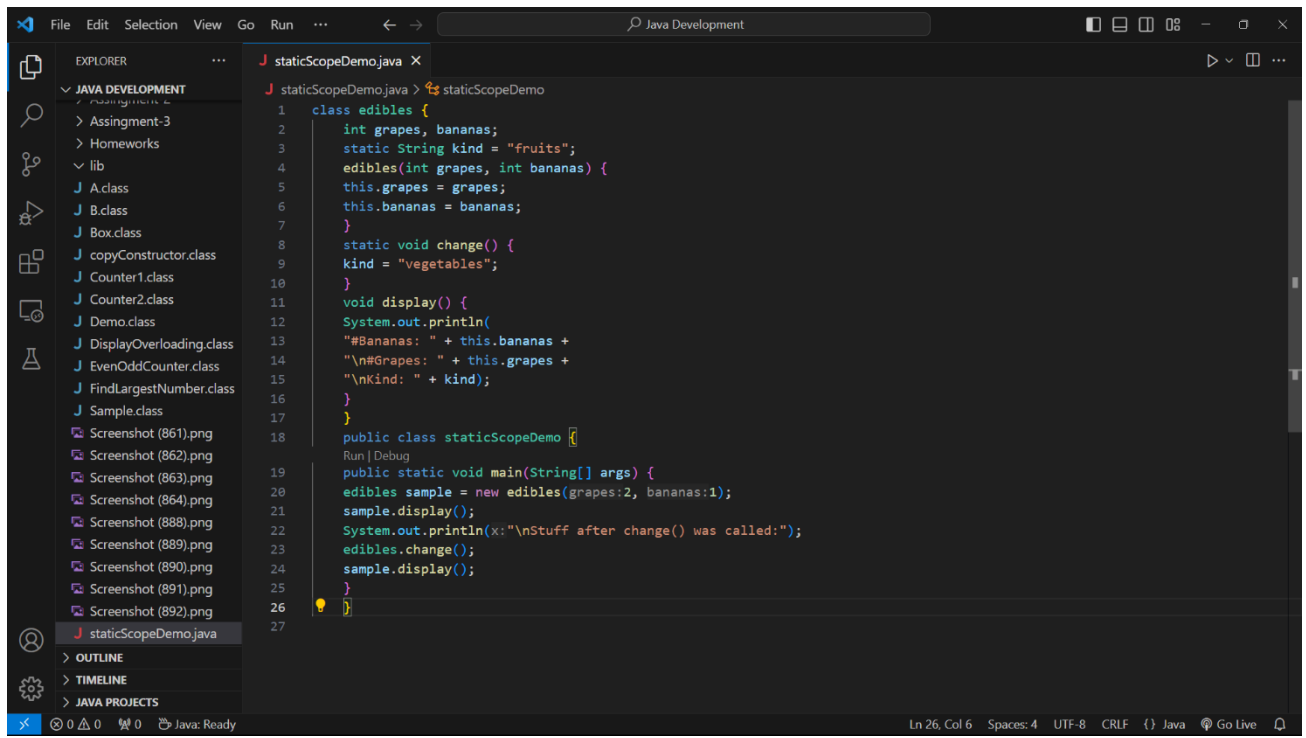
```
1 public class copyConstructor {
2     int grapes, bananas;
3     copyConstructor(int grapes, int bananas) {
4         this.grapes = grapes;
5         this.bananas = bananas;
6     }
7     copyConstructor(copyConstructor obj) {
8         this.grapes = obj.grapes;
9         this.bananas = obj.bananas;
10    }
11
12    public static void main(String[] args) {
13        copyConstructor sample = new copyConstructor(grapes:2, bananas:1);
14        copyConstructor sample2 = new copyConstructor(sample);
15        System.out.println(
16            "#Bananas of sample2: " + sample2.bananas +
17            "\n#Grapes of sample2: " + sample2.grapes
18        );
19    }
```

OUTPUT: -



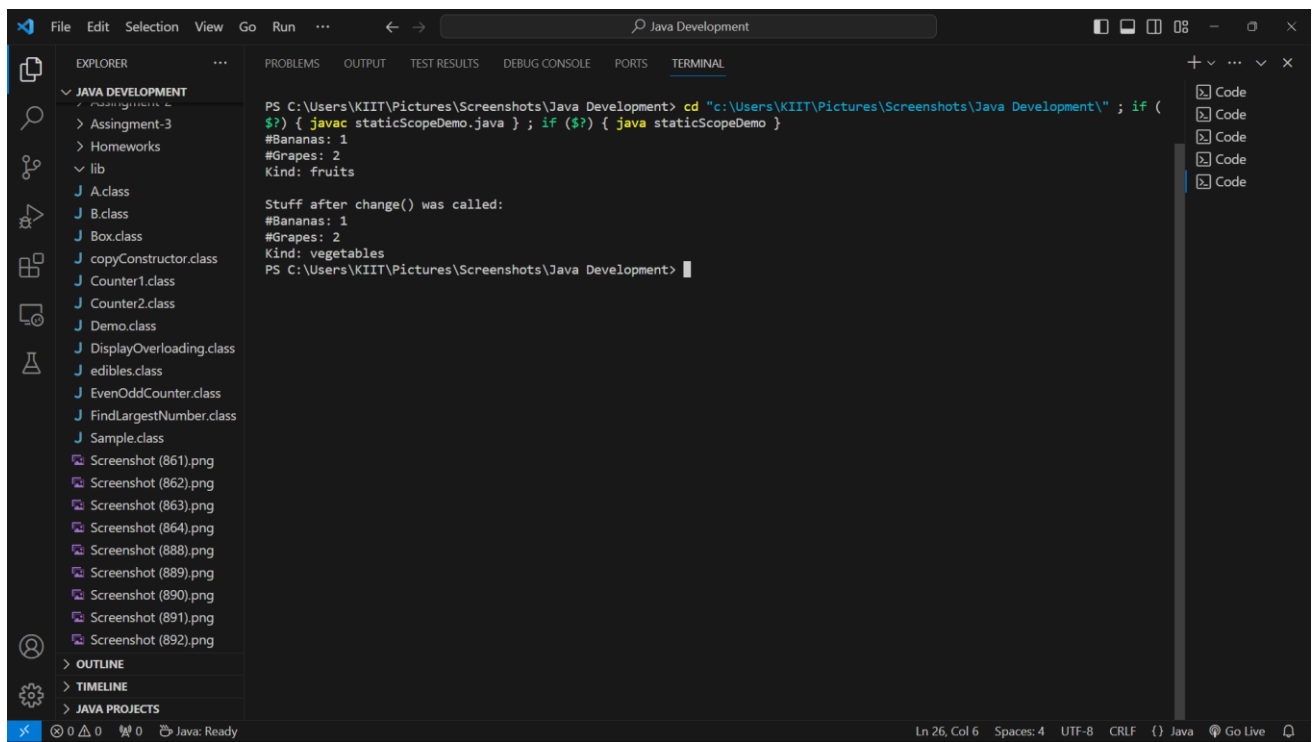
```
PS C:\Users\KIIT\Pictures\Screenshots\Java Development> cd "c:\Users\KIIT\Pictures\Screenshots\Java Development\" ;
if ($?) { javac copyConstructor.java } ; if ($?) { java copyConstructor }
#Bananas of sample2: 1
#Grapes of sample2: 2
PS C:\Users\KIIT\Pictures\Screenshots\Java Development>
```

Q2 INPUT: -



```
1 class edibles {
2     int grapes, bananas;
3     static String kind = "fruits";
4     edibles(int grapes, int bananas) {
5         this.grapes = grapes;
6         this.bananas = bananas;
7     }
8     static void change() {
9         kind = "vegetables";
10    }
11    void display() {
12        System.out.println(
13            "#Bananas: " + this.bananas +
14            "\n#Grapes: " + this.grapes +
15            "\nKind: " + kind);
16    }
17 }
18 public class staticScopeDemo {
19     public static void main(String[] args) {
20         edibles sample = new edibles(grapes:2, bananas:1);
21         sample.display();
22         System.out.println(x:"\nStuff after change() was called:");
23         edibles.change();
24         sample.display();
25     }
26 }
27
```

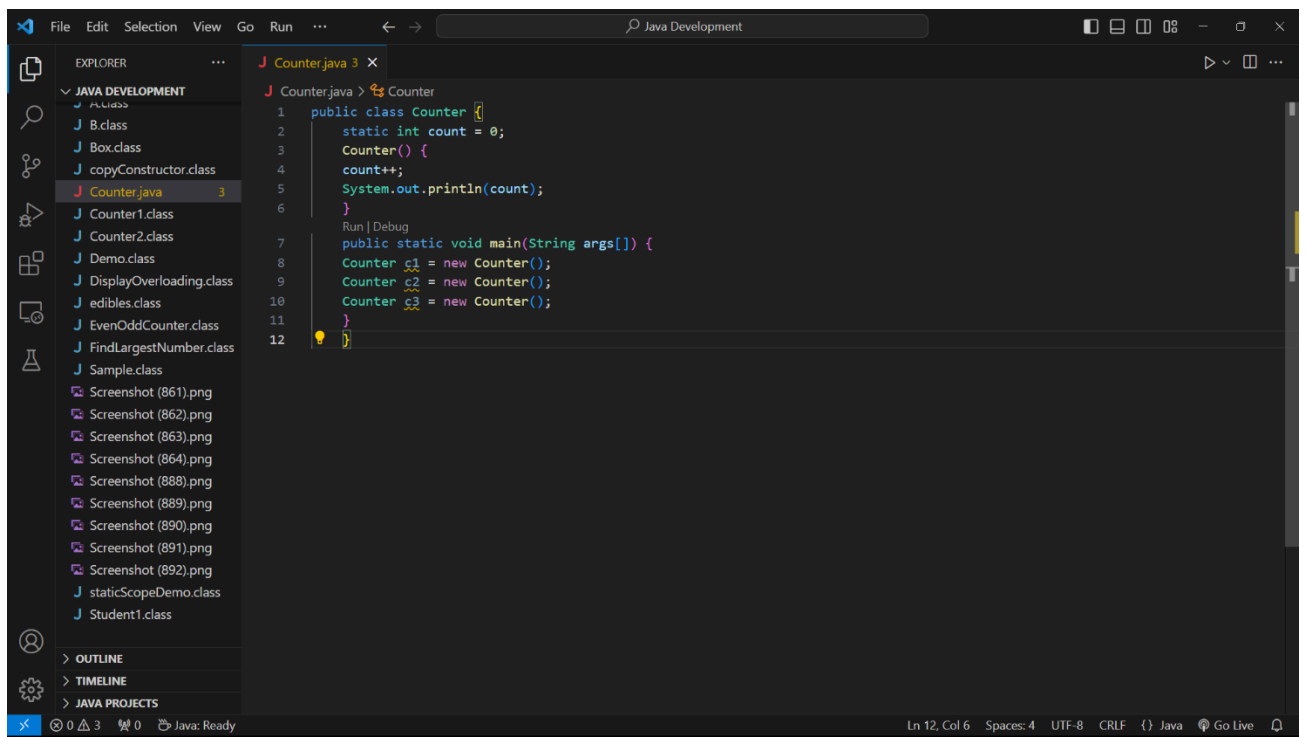
OUTPUT: -



```
PS C:\Users\KIIT\Pictures\Screenshots\Java Development> cd "C:\Users\KIIT\Pictures\Screenshots\Java Development\" ; if ($?) { javac staticScopeDemo.java } ; if ($?) { java staticScopeDemo }
#Bananas: 1
#Grapes: 2
Kind: fruits

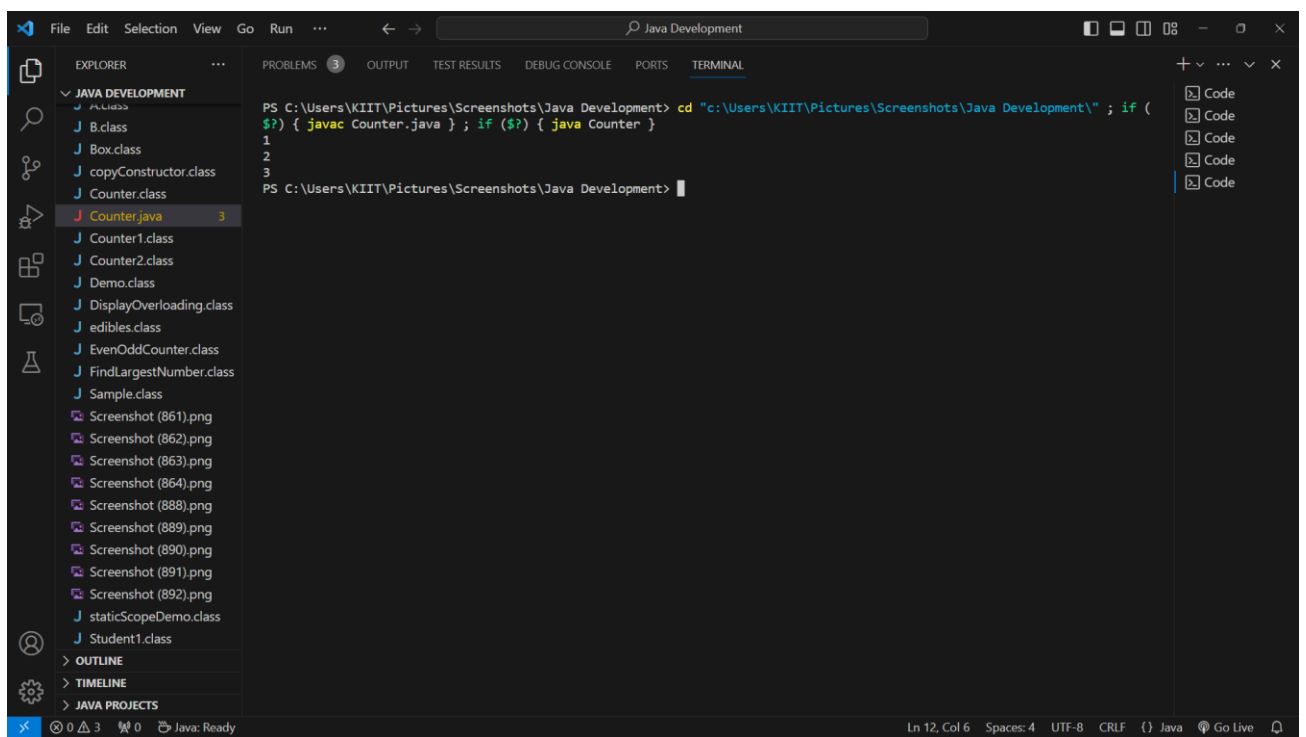
Stuff after change() was called:
#Bananas: 1
#Grapes: 2
Kind: vegetables
PS C:\Users\KIIT\Pictures\Screenshots\Java Development>
```

Q3 INPUT: -



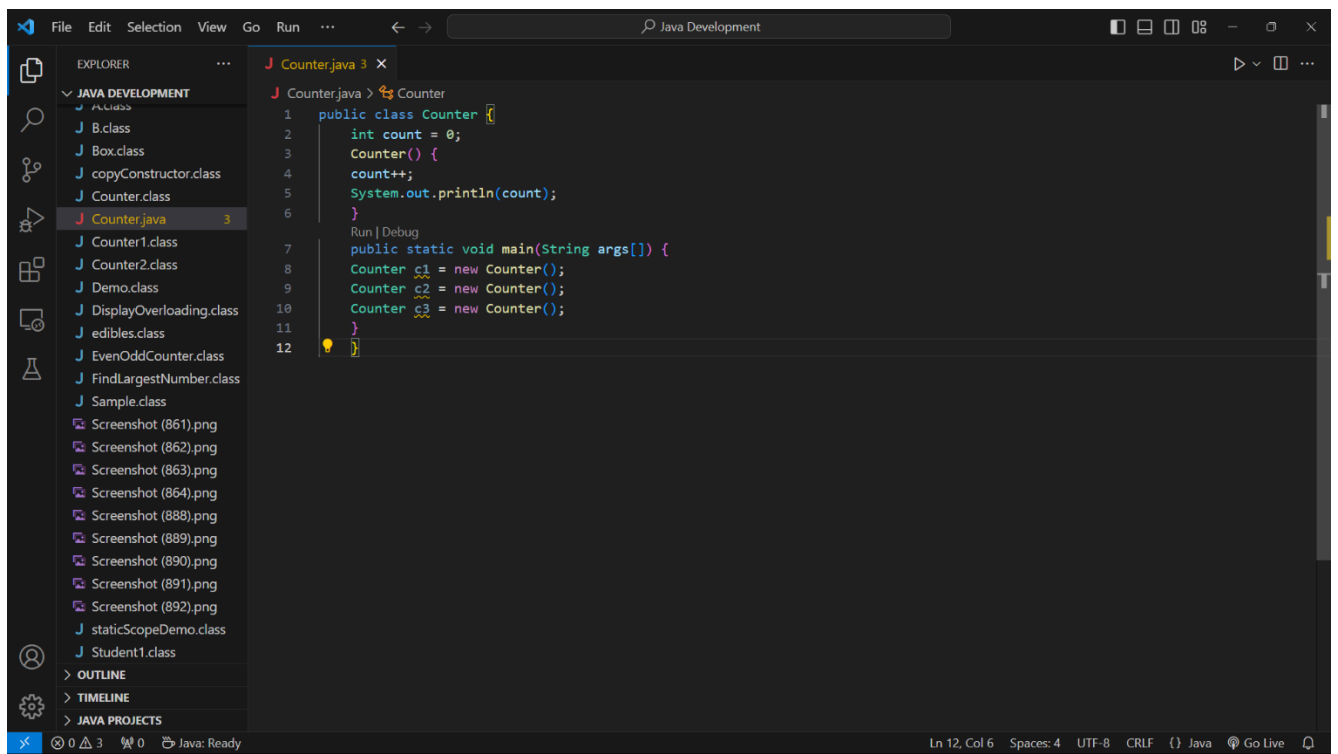
```
1 public class Counter {
2     static int count = 0;
3     Counter() {
4         count++;
5         System.out.println(count);
6     }
7     Run | Debug
8     public static void main(String args[]) {
9         Counter c1 = new Counter();
10        Counter c2 = new Counter();
11        Counter c3 = new Counter();
12    }
```

OUTPUT: -



```
PS C:\Users\KIIT\Pictures\Screenshots\Java Development> cd "c:\Users\KIIT\Pictures\Screenshots\Java Development\" ; if ($?) { javac Counter.java ; if ($?) { java Counter }
1
2
3
PS C:\Users\KIIT\Pictures\Screenshots\Java Development>
```

Q4 INPUT: -



OUTPUT: -

