

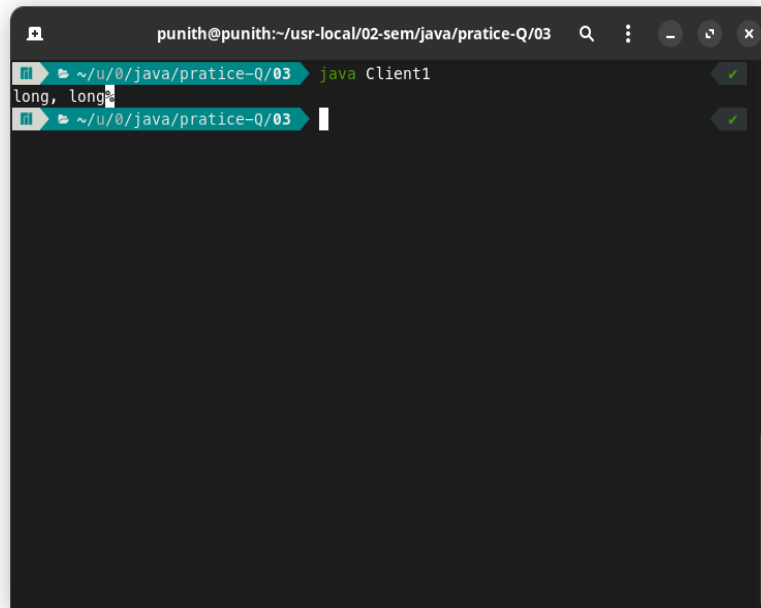
Practice-2

2347139

December 5, 2023

```
1 // 4. Tell Me Why
2
3 public class Client1 {
4     static void doCalc(byte... a) {
5         System.out.print("byte...");
6     }
7
8     static void doCalc(long a, long b) {
9         System.out.print("long, long");
10    }
11
12    static void doCalc(Byte s1, Byte s2) {
13        System.out.print("Byte, Byte");
14    }
15
16    public static void main(String[] args) {
17        byte b = 5;
18        doCalc(b, b); // static methods placed within the same class can
19                      // be called directly, datatype
20                      // is matched in the function call
21    }
22 }
```

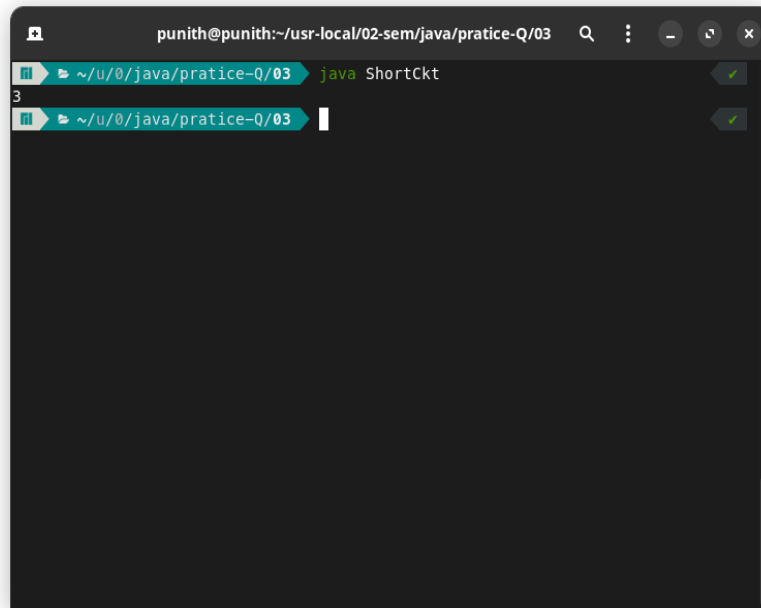
Output



```
punith@punith:~/usr-local/02-sem/java/pratice-Q/03
❯ java Client1
long, long
❯
```

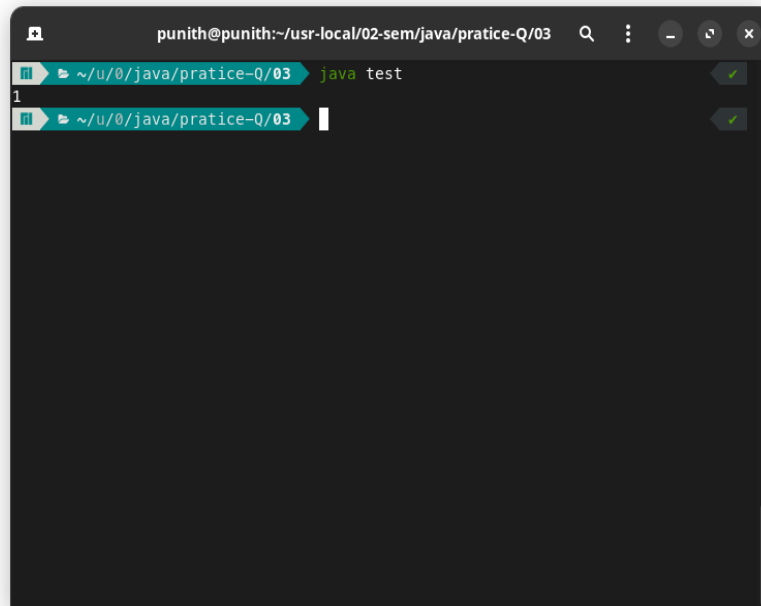
```
1 // 5.What gets printed on the standard output when the class below
2 // is compiled and executed.
3
4 public class ShortCkt {
5     public static void main(String args[]) {
6         int i = 0;
7         boolean t = true;
8         boolean f = false, b;
9         b = (t | ((i++) == 0));
10        b = (f | ((i += 2) > 0));
11        System.out.println(i);
12    }
13 }
```

Output



```
1 //6. What gets displayed on the screen when the following program is
2   compiled and run.
3 public class test {
4     public static void main(String args[]) {
5         boolean x = true;
6         int a;
7         if (x)
8             a = x ? 1 : 2;
9         else
10            a = x ? 3 : 4;
11         System.out.println(a);
12     }
13 }
```

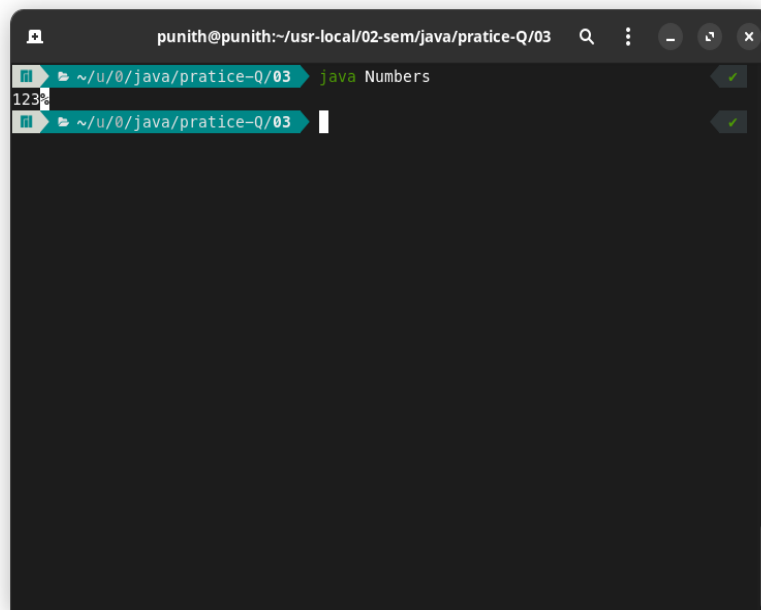
Output



```
1 // What is the result when this code is executed?
2
3 class One {
4     public One() {
5         System.out.print(1);
6     }
7 }
8
9 class Two extends One {
10     public Two() {
11         System.out.print(2);
12     }
13 }
14
15 class Three extends Two {
16     public Three() {
17         System.out.print(3);
18     }
19 }
20
21 public class Numbers {
22     public static void main(String[] argv) {
23         new Three();
```

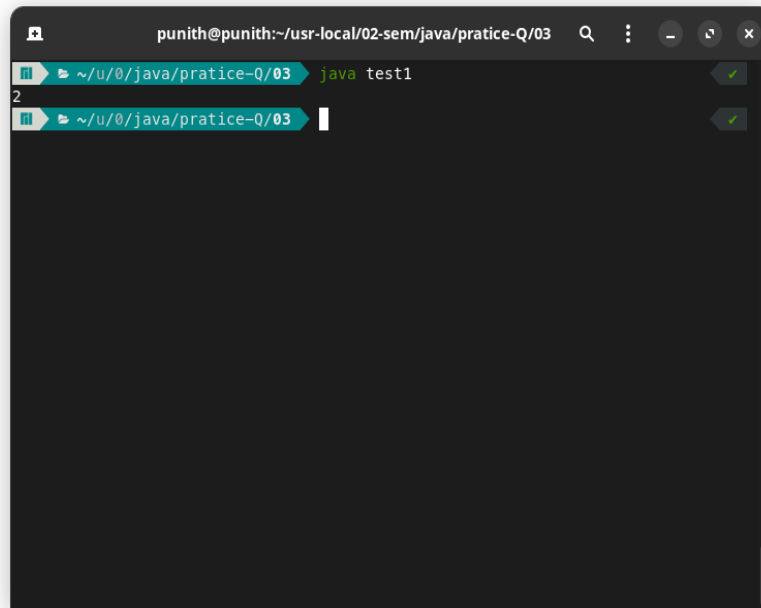
```
24     }
25 }
```

Output



```
1 // public What all gets printed when the following program is
2 // compiled and run.
3 public class test1 {
4     public static void main(String args[]) {
5         int i = 0, j = 2;
6         do {
7             i = ++i;
8             j--;
9         } while (j > 0);
10        System.out.println(i);
11    }
12 }
```

Output



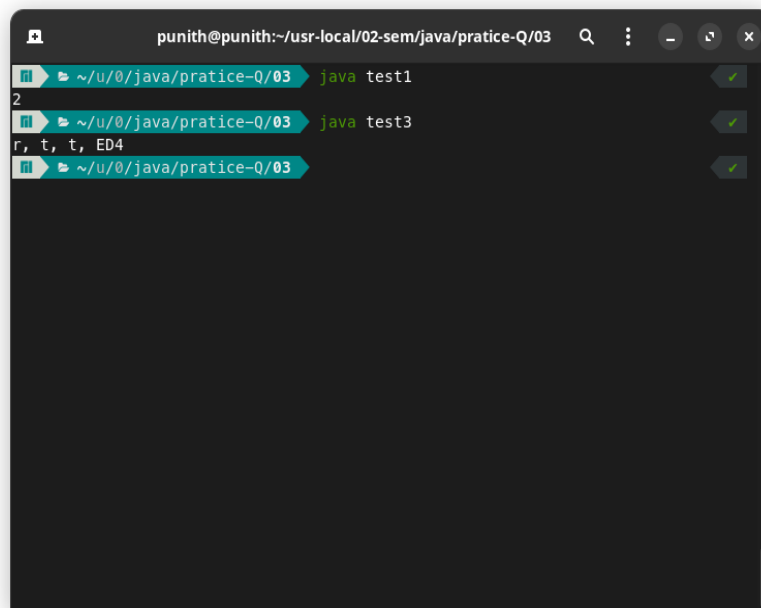
```
1 // What is the result?
2
3 class test3 {
4     public static void checkSomething(String str) {
5         int check = 4;
6         if (check == str.length()) {
7             System.out.print(str.charAt(check -= 1) + ", ");
8         } else {
9             System.out.print(str.charAt(0) + ", ");
10        }
11    }
12
13    public static void makinStrings() {
14        String s = "Fred";
15        s = s + "47";
16        s = s.substring(2, 5);
17        s = s.toUpperCase();
18        System.out.println(s.toString());
19        // return s.toString();
20    }
21
22    public static void main(String args[]) {
23        checkSomething("four");
```

```

24         checkSomething("tee");
25         checkSomething("to");
26
27         // 11Q
28         makinStrings();
29
30     }
31 }
32
33 // 21.test("four");
34 // 22.test("tee");
35 // test("to");

```

Output



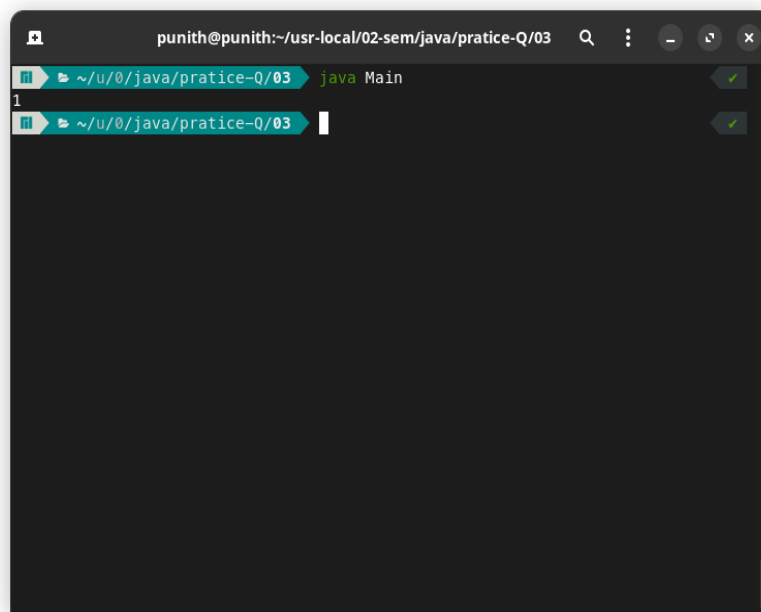
```

1 public class Main {
2     static void increment(int index) {
3         index++;
4     }
5
6     public static void main(String[] args) {
7         int i = 0;
8         increment(i);

```

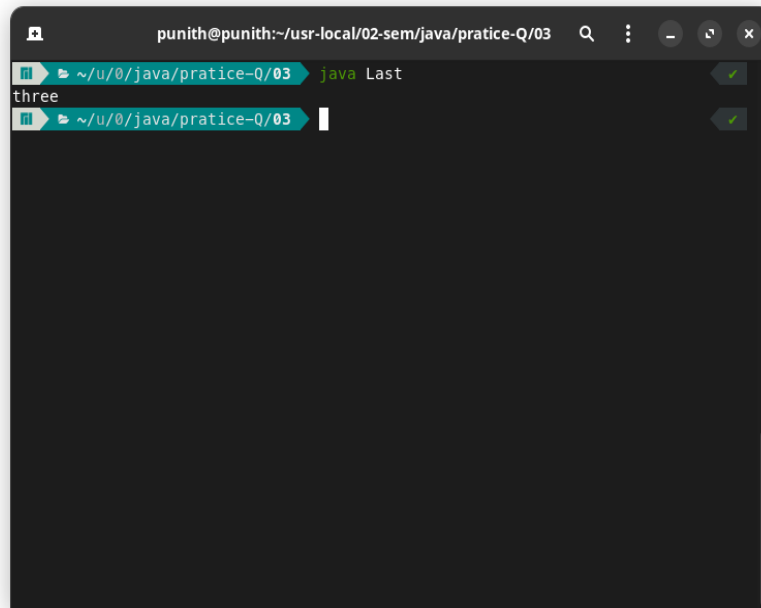
```
9         i++;
10        System.out.println(i);
11    }
12
13 }
```

Output



```
1 public class Last {
2     public static void main(String[] args) {
3         Integer i = new Integer(1) + new Integer(2);
4         switch (i) {
5             case 3:
6                 System.out.println("three");
7                 break;
8             default:
9                 System.out.println("other");
10                break;
11        }
12    }
13 }
```

Output

A terminal window with a dark background. The title bar shows 'punith@punith:~/usr-local/02-sem/java/pratice-Q/03'. The terminal content shows a prompt '~ /u/0/java/pratice-Q/03' followed by the command 'java'. The output is 'Last' on the first line and 'three' on the second line. A third prompt '~ /u/0/java/pratice-Q/03' is visible on the third line with a cursor. Each command line has a green checkmark icon on the right.

```
punith@punith:~/usr-local/02-sem/java/pratice-Q/03
~/u/0/java/pratice-Q/03 java Last
three
~/u/0/java/pratice-Q/03
```