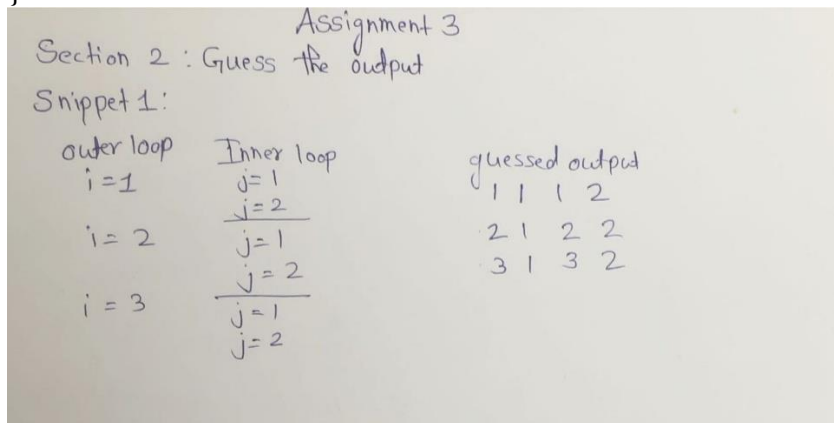


SECTION 2: Guess the Output

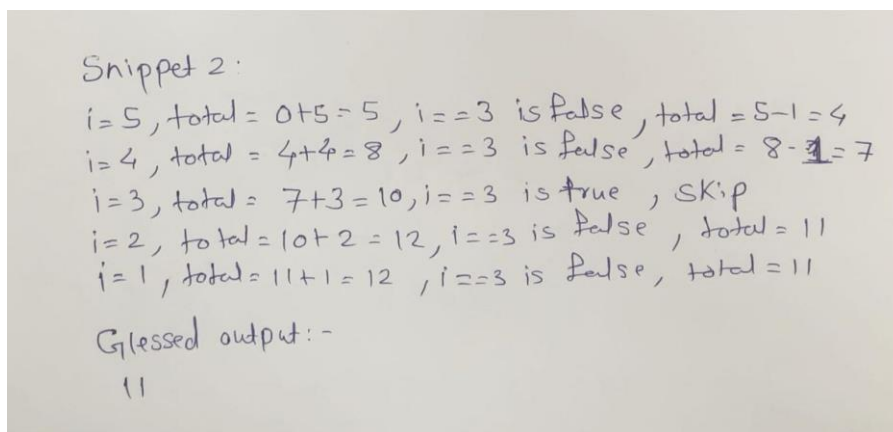
Snippet 1:

```
public class NestedLoopOutput {  
    public static void main(String[] args) {  
        for (int i = 1; i <= 3; i++) {  
            for (int j = 1; j <= 2; j++) {  
                System.out.print(i + " " + j + " ");  
            }  
            System.out.println();  
        }  
    }  
}
```



Snippet 2:

```
public class DecrementingLoop {  
    public static void main (String[] args) {  
        int total = 0;  
        for (int i = 5; i > 0; i--) {  
            total += i;  
            if (i == 3) continue;  
            total -= 1;  
        }  
        System.out.println(total);  
    }  
}
```



Snippet 3:

```
public class WhileLoopBreak {  
    public static void main (String[] args) {  
        int count = 0;  
        while (count < 5) {  
            System.out.print(count + " ");  
            count++;  
            if (count == 3) break;  
        }  
        System.out.println(count);  
    }  
}
```

Snippet 3

count=0, prints 0, count=1, c==3 is false
count=1, prints 1, count=2, c==3 is false
count=2, prints 2, count=3, c==3 is true, break
Guess output:-
0 1 2 3

Snippet 4:

```
public class DoWhileLoop {  
    public static void main(String[] args) {  
        int i = 1;  
        do {  
            System.out.print(i + " ");  
            i++;  
        } while (i < 5);  
        System.out.println(i);  
    }  
}
```

Snippet 4

i=1, prints 1, i=2
i=2, prints 2, i=3
i=3, prints 3, i=4
i=4, prints 4, i=5
i<5 as (5<5) is false, loop stops
prints 5

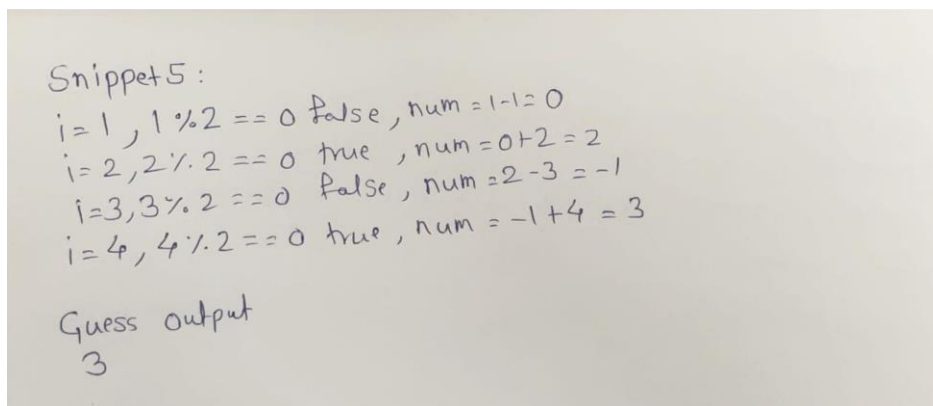
Guess output:-
1 2 3 4 5

Snippet 5:

```

public class ConditionalLoopOutput {
    public static void main (String[] args) {
        int num = 1;
        for (int i = 1; i <= 4; i++) {
            if (i % 2 == 0) {
                num += i;
            } else {
                num -= i;
            }
        }
        System.out.println(num);
    }
}

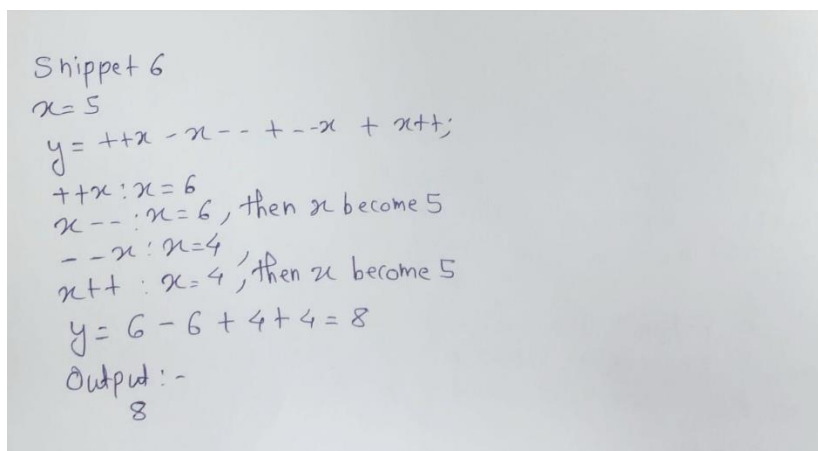
```

**Snippet 6:**

```

public class IncrementDecrement {
    public static void main(String[] args) {
        int x = 5;
        int y = ++x - x-- + --x + x++;
        System.out.println(y);
    }
}

```

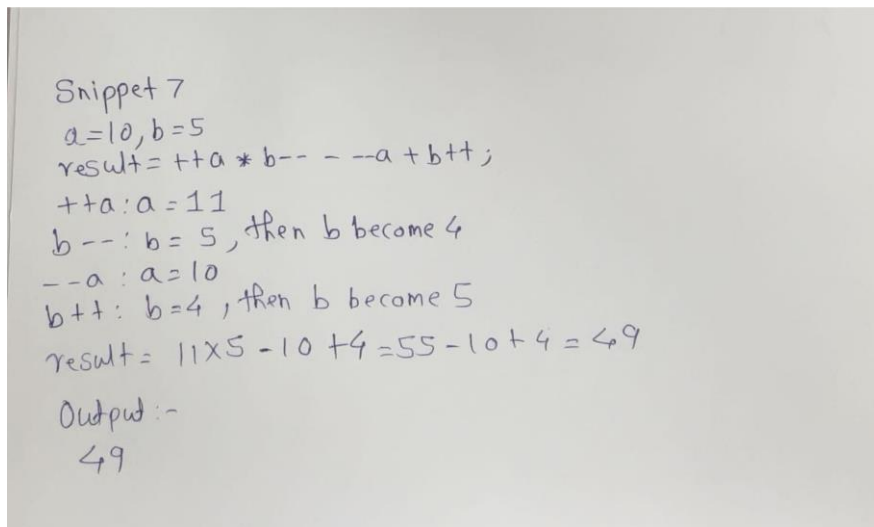


Snippet 7:

```

public class NestedIncrement {
    public static void main(String[] args) {
        int a = 10;
        int b = 5;
        int result = ++a * b-- - --a + b++;
        System.out.println(result);
    }
}

```

**Snippet 8:**

```

public class LoopIncrement {
    public static void main(String[] args) {
        int count = 0;
        for (int i = 0; i < 4; i++) {
            count += i++ - ++i;
        }
        System.out.println(count);
    }
}

```

