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();
}
}</pre>
```

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* Snippet 1.	1 1 1 1 1 2 2 1 2 1 2 2 3 1 3 2	

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);
}
```

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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);
}</pre>
```

Frint

Count = 0
$$\rightarrow$$
 0; Count 1; C=3 false

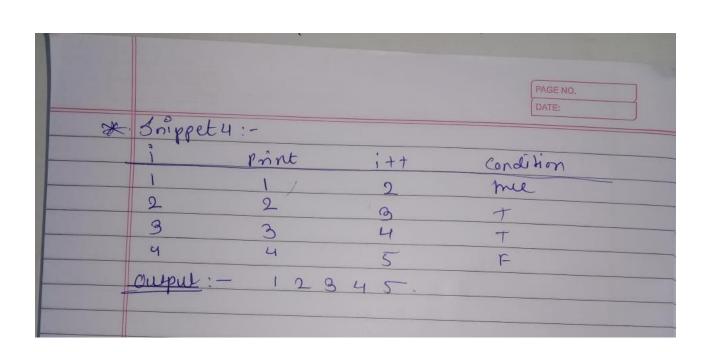
Count 1 \rightarrow 1; Count 2; C=3 false

count 3 \rightarrow 2; Count 3; C=3 mue

Output \$-0123

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);
}</pre>
```



Snippet 5:

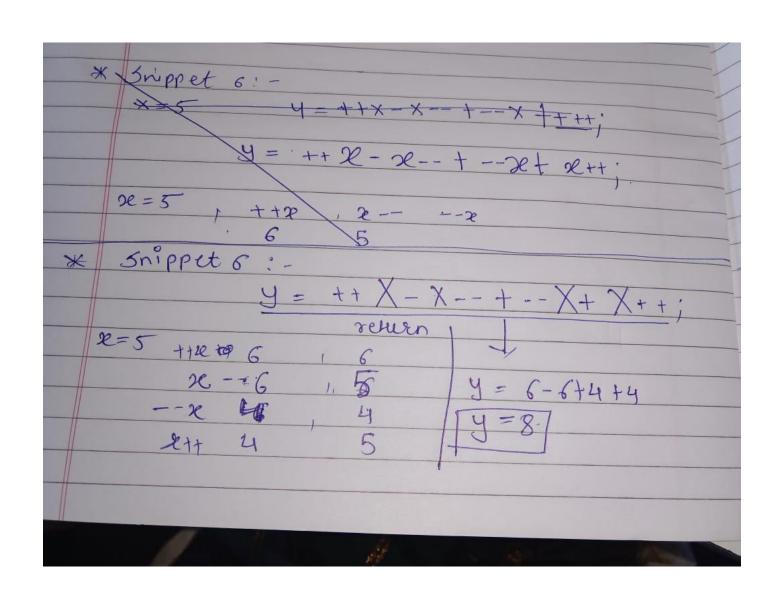
```
public class ConditionalLoopOutput {
public static void main(String[] args) {
int num = 1;
for (int i = 1; i <= 4; i++) {
if (i % 2 == 0) {
num += i;
} else {
num -= i;
}

System.out.println(num);
}
</pre>
```

* :	Snippet 5	: -		
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	r	1	1-1	0
2	- 0	1 10	0+2	2
9	5	0	0+2	-1
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0	wput: -	3		

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 7. Mesult = ++a*	h	ctbtt:	
a = 10 6 = 5			
<u>⊕</u> = @ b	<u> </u>		
11 → 11 5			
10 -> 10 5	•		
result = -11 * 5 -	10+4		
= 55-10+4	1		
= 49.		-	
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		87	

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);
}</pre>
```

