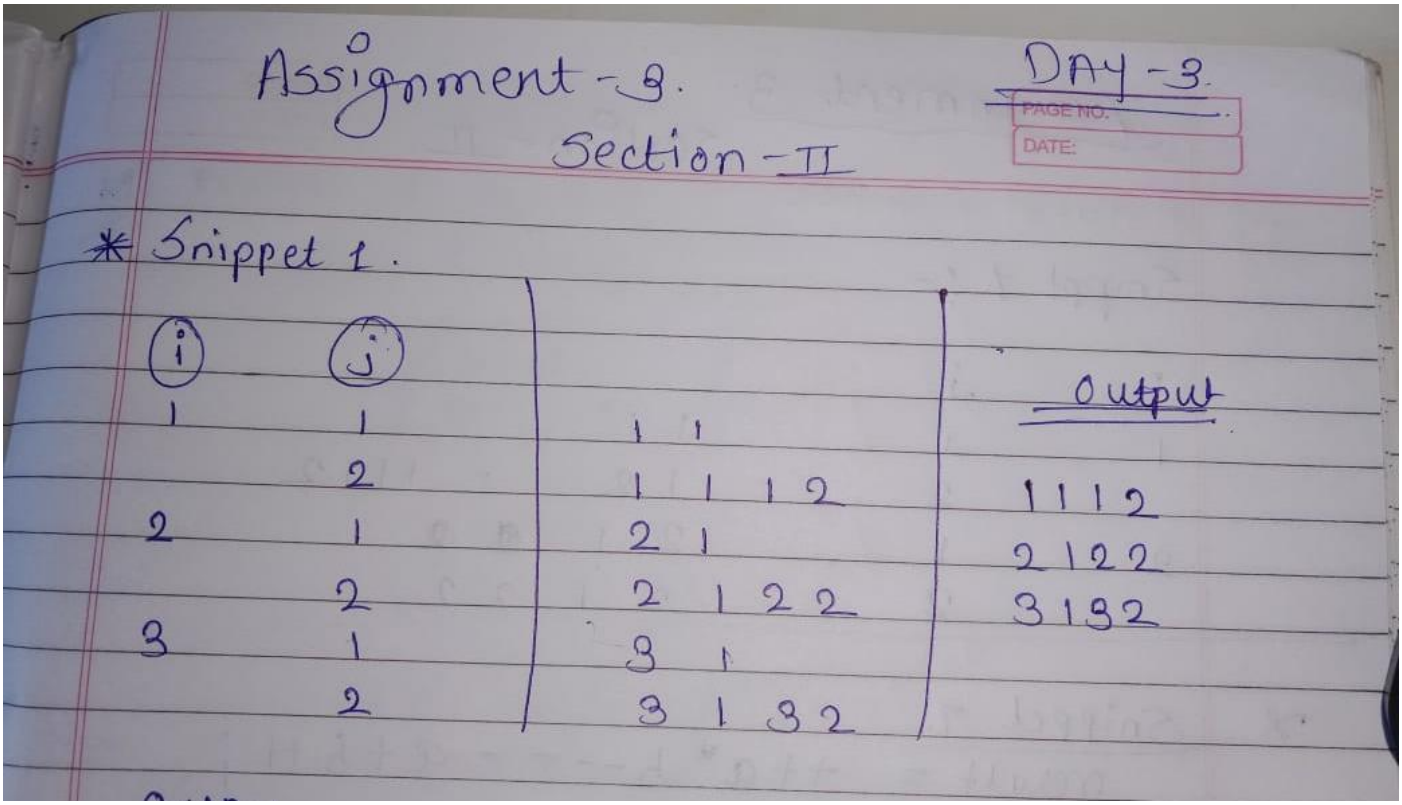
SECTION 2: Guess the Output

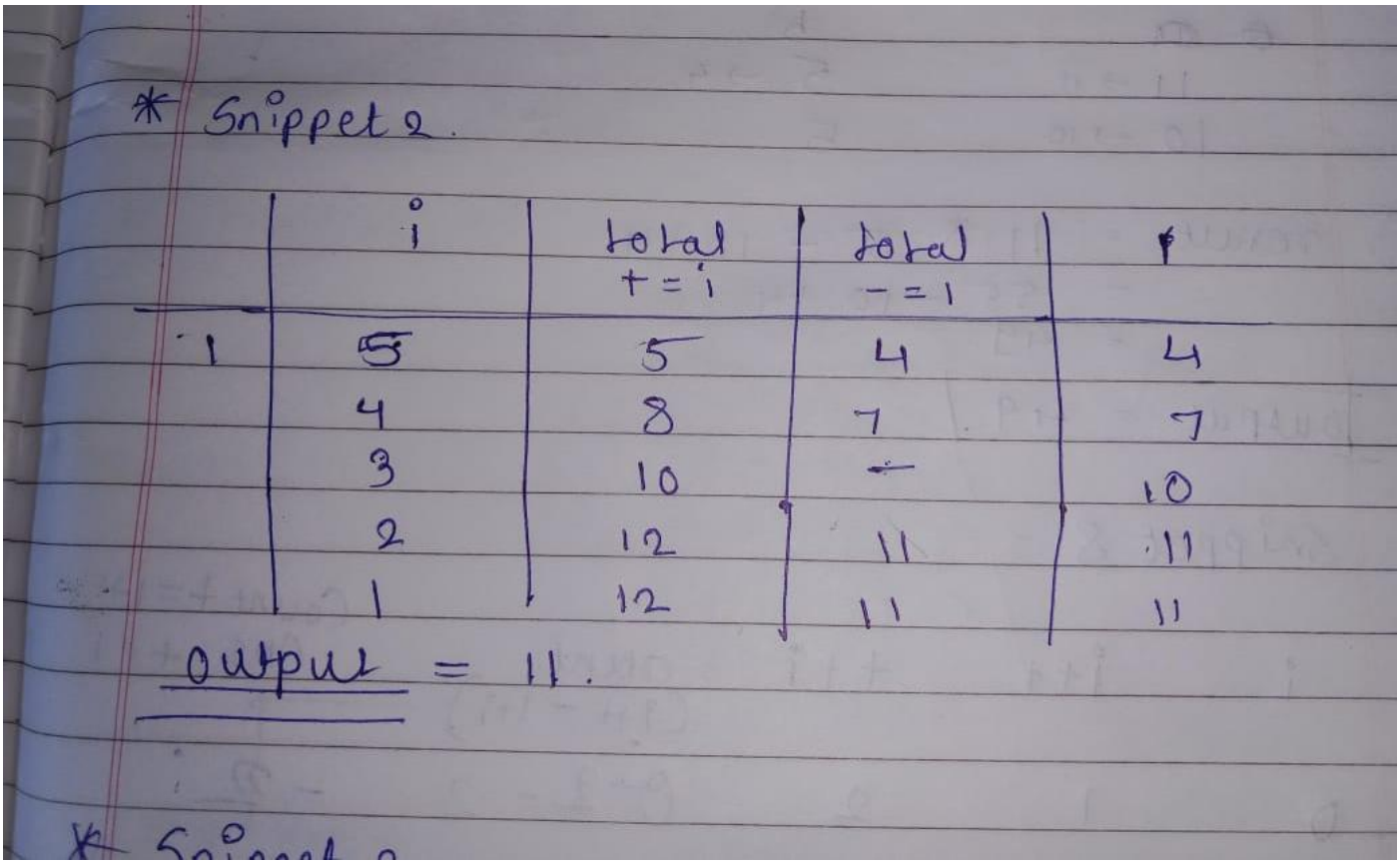
Snippet 1:

```
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();
}
}
}
```



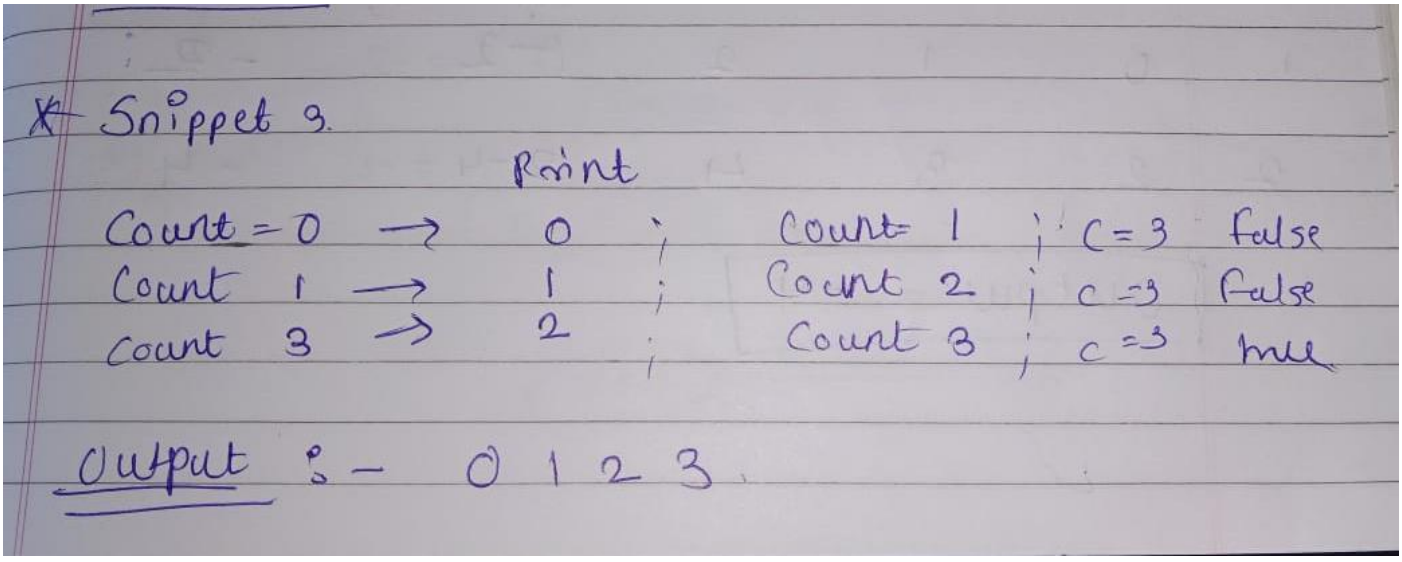
Snippet 2:

```
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);
}
}
```



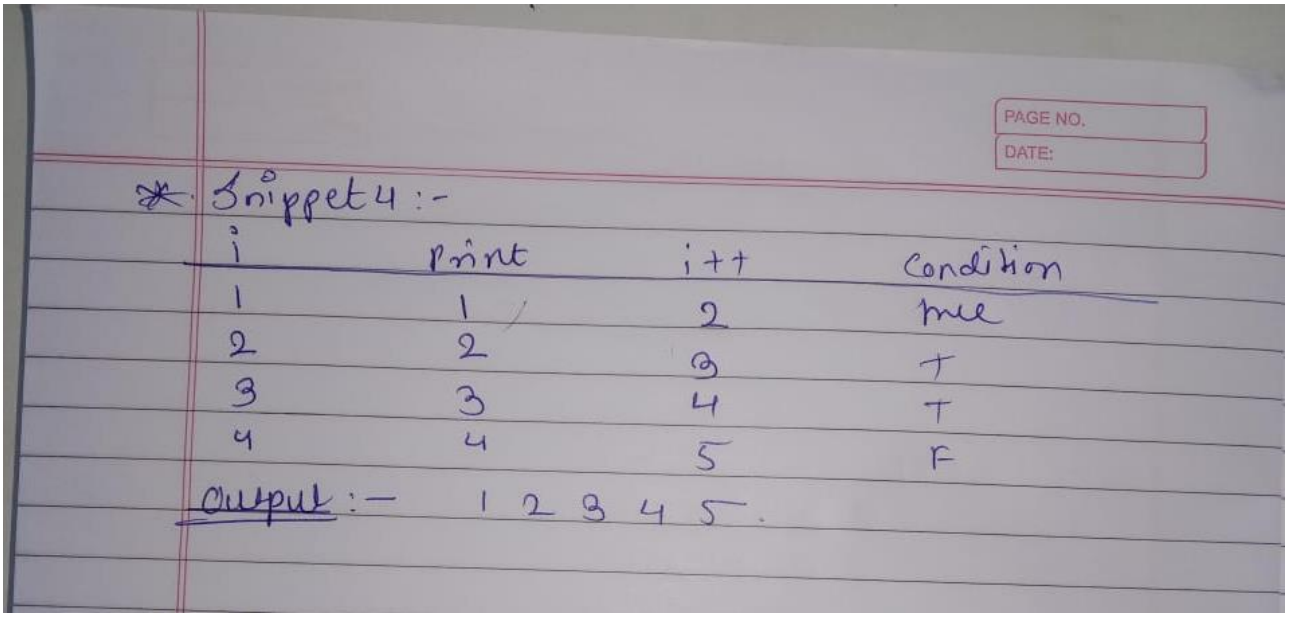
Snippet 3:

```
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 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);
}
}
```



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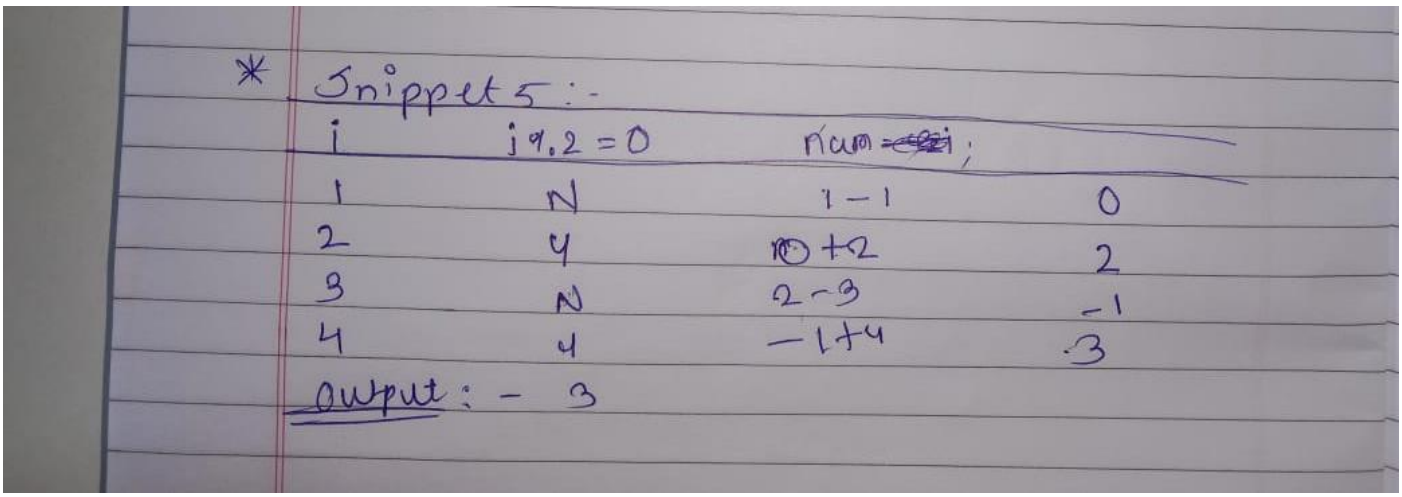
* Snippet 4 :-

i	Print	i++	Condition
1	1	2	true
2	2	3	T
3	3	4	T
4	4	5	F

Output :- 1 2 3 4 5.

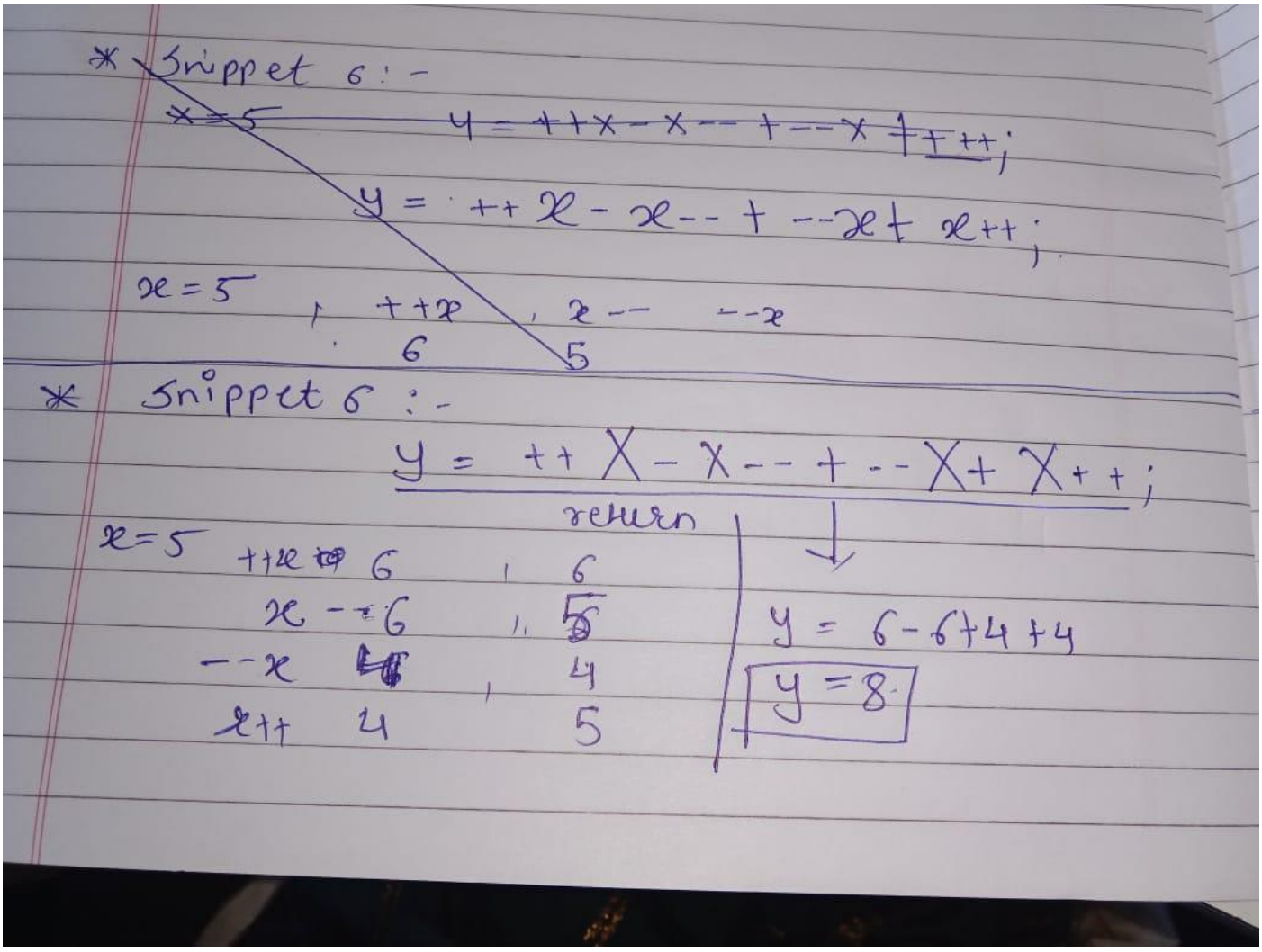
Snippet 5:

```
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);
}
}
```



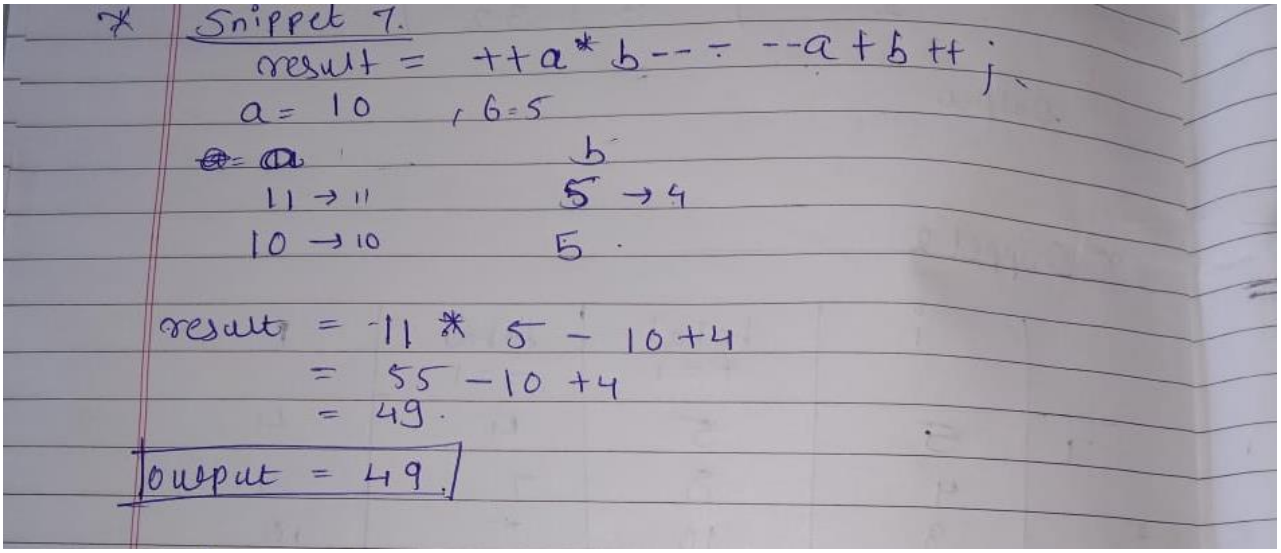
Snippet 6:

```
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);
}
}
```