

The Fibonacci Sequence is 0, 1, 1, 2, 3, 5, 8, 13, ..., where every new number is just the sum of the two previous. Each of the following segments of code try to generate the 8th fibonacci number (which is 13). Determine what they actually print out, as well as indicating the table of values.

```
int previous = 0;
int current = 0;

for(int i = 3; i <= 8; i++)
{
    int temp = current;
    current = previous + current;
    previous = temp;
}

System.out.println(current);
```

i	p	c	t
-	0	0	-
3			

← Before Loop

Prints: _____

```
int previous = 0;
int current = 1;

for(int i = 3; i <= 8; i++)
{
    current = previous + current;
    previous = current;
}

System.out.println(current);
```

i	p	c

Prints: _____

```
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int current = 1;

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    current = previous + current;
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Prints: _____

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i	p	c	t

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