Self-Review Questions
Conditionals

Note: Feel free to use extra functions to further break down your program. Sometimes that little bit of extra effort can make a program much smaller.

Q5. You're given three sticks of lengths `a`, `b`, `c`. Define a function, `makes_triangle` that takes the lengths as parameters and determines whether a triangle can be formed by making use of the triangle inequality.

In the main program, take `a`, `b`, `c` as input on separate lines and call the function `makes_triangle` inside a print statement.

Note: `a, b, c > 0`

Sample Input 1:
```
3
4
5
```

Sample Output 1:
```
True
```

Sample Input 2:
```
1
1
3
```

Sample Output 2:
```
False
```

Q6. You're in a triangular room with sides of lengths `a`, `b`, `c`. Define a function, `is_right` that takes the lengths as parameters and determines whether the triangle is right-angled, through the use of the pythagorean theorem.

In the main program, take `a`, `b`, `c` as input on separate lines and call the function `is_right` inside a print statement.

Note: `a, b, c > 0`

Sample Input 1:

```
3
4
5
```

Sample Output 1:

```
True
```

Sample Input 2:

```
9
9
9
```

Sample Output 2:

```
False
```

Q7. Write a function `next_day` that takes a date in the form of three parameters, in the order `year`, `month`, `day` and returns its immediate successor.

In the main program, take `year`, `month`, `day` as input on separate lines and call the function `next_day` inside a print statement.

Note:
You do not have to account for leap years. Make sure to account for all other edge cases.

Sample Input 1:
```
2013
11
18
```

Sample Output 1:
```
2013-11-19
```

Sample Input 2:
```
2013
11
30
```

Sample Output 2:
```
2013-12-01
```

Sample Input 3:
```
2013
12
31
```

Sample Output 2:
```
2014-01-01
```