

# CS150 L07.3: Conditional statements - solution

```
1. if temperature > 0:
    print("above freezing")
elif temperature == 0:
    print("at freezing")
else:
    print("below freezing")
```

True or false: The code below does exactly the same thing as the code above? (Assume temperature already refers to some numeric value.)

```
if temperature > 0:
    print("above freezing")
elif temperature == 0:
    print("at freezing")
elif temperature < 0:
    print("below freezing")
```

- True
- False

**Answer: A**

These are the same conditions, but the first version is preferred, as it has a catch-all last `else`

```
2. x=5
if x < 15:
    if x > 8:
        print('one')
    else:
        print('two')
else:
    print('three')
```

What is printed?

- one
- two
- three
- More than one of "one", "two" or "three"
- Nothing is printed

**Answer: B**

The condition `x < 15` is True, so the inner if-statement is evaluated. That condition `x > 8` is False, so the `else` statement `print('two')` is executed.