

Programming for Biologists

Control statements

Learning Objectives

- Control Flow
 - If-else statements

Logical Branches (If statements)

- Conditional statements and conditional blocks allow you to control the behavior of your program depending on different conditions

```
[ ] a = 10
    if (a < 20):
        print("a is lower than 20")
```

```
a is lower than 20
```

2 or more options

- You can use `elif` and `else` to provide two or more alternative outcomes:

```
[ ] a = 30
    if (a < 20):
        print("a is lower than 20")
    elif (a < 50):
        print("a is higher than or equal to 20 but lower than 50")
    else:
        print("a is higher than or equal to 50")
```

a is higher than or equal to 20 but lower than 50

Exercise

Update your f2c function.

- If a celsius temperature is below 0
 - Print "its' freezing".
- If a celsius temperature is above 100
 - Print "It's boiling".
- For all other temperatures
 - Print "It's just right"

** note - the function should still return the celsius value and not the strings. The strings should be just printed.