

Consider the function:

```
int FtoC(Fahrenheit) {
    return((Fahrenheit - 32) / 9 * 5);
}
```

In groups of 4 or 5, list everything wrong with this function.

- 1) No correct lower bound (is -273°C , or 0°K)
- 2) No upper bound
- 3) Math rounds badly (i.e. 40°F yields 0°C)
- 4) No comments
- 5) Too compact (a calculation is in the return line)
- 6) Caps used for variables & function name (violates style guide)

How would you test the function ("test harness")
`printf("Input of %d, output should be %d, is %d/n");`

- 32, 0, FtoC(32); ← test case
- 523, -273, FtoC(-523);
- 524, ~~9999~~⁻⁹⁹⁹⁹, FtoC(-524);
- 40 -40 FtoC(-40);
- 32767, FtoC(32767);

What if calculation is $(\text{Fahrenheit} - 32) * 5 / 9$?