Assignment 3  
**Due:** Wednesday, February 12

Add functions to your first program so that it can convert between any of the temperature scales kelvin, celsius, and fahrenheit. Use switch statements to provide menus. Copy my program to see the expected behavior:

```bash
> cp ~guichard/167/assignment3/* .
> ./temps_drg
```

Your program should not accept temperatures below absolute 0. The relevant formulas are:

```c
#define ABSOLUTE_ZERO_C -273.15
#define FREEZING_F 32
#define C_TO_F_FACTOR 1.8

celsius = kelvin + ABSOLUTE_ZERO_C;
fahrenheit = C_TO_F_FACTOR * celsius + FREEZING_F;
```

You should of course write functions to perform the calculations; you can get by with three such functions, `k_to_c`, `c_to_f`, and `f_to_k`. 