Possible errors:

character not for c
    if not, then return -1000 ~~X trillion~~

if Input float is invalid (less than -273C or
                                        ___ F)

        return - 1000

if char = c
        convert F temp to c temp ~~return~~
else convert c temp to f temp, ~~return~~

return temp

Slide 49:

Class Average

Compute class average of exactly 10 students

Objective
Design a function →
Input: float & character (c or f)
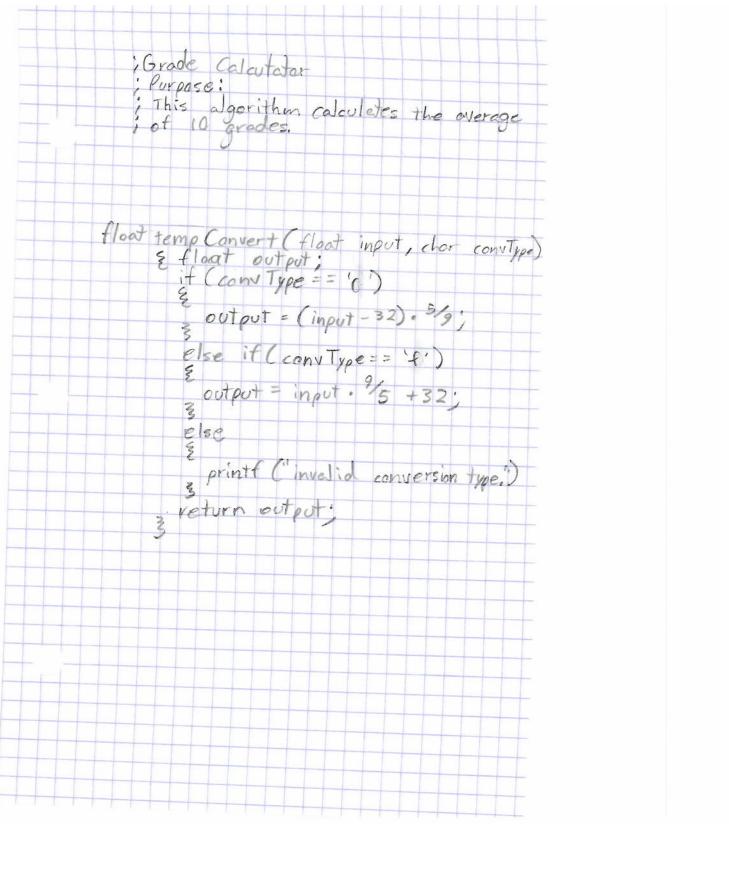Output: float
Purpose: convert the input number to celsius
or fahrenheit. Assume input is the
other. if the char is c, then fahrenheit
is the input number. output the temp
in c,

---

from the student examples:

* Some did code
* Some did error detection
* No one did everything

```
; Grade Calculator
; Purpose:
; This algorithm calculates the average
; of 10 grades.



float tempConvert (float input, char convType)
    { float output;
      if (convType == 'c')
      {
          output = (input - 32) . 5/9;
      }
      else if (convType == 'f')
      {
          output = input . 9/5 + 32;
      }
      else
      {
          printf ("invalid conversion type.")
      }
      return output;
    }
```

```
float Convert_temp (float, char) {

        if input character equals c then
            convert float number to farenheit
        else if input character is f then
            convert float number to celcius
        else input invalid for character
            float stays the same
        return new float value
```

```
// Temperature Converter (Float, Char)
// a temperature of type float will be inserted
// into the call function and dependant upon the
// char choice ( c -or- f) celsius of f fahrenheit
// will be returned

    if the char is 'c' then
        return conversion of float to celsius
    if the char is 'f' then
        return conversion of float to fahrenheit
```