Lab 3 Introduction to PASS, Operators and Basic I/O

Q-2. a) Write a program that inputs a temperature in Celsius and outputs it in Fahrenheit. Expected output of the program are as follows:

```
Enter temperature in Centigrade: 27
Temperature in Fahrenheit is: 80.60
```

Hint-1: Use the following formula to convert Celsius to Fahrenheit:

$$Fahrenheit = (9/5) * Celsius + 32$$

Hint-2: You need to control the float/double printing precisions using *setprecision().*

*You should test your program using PASS.

b) Extend the program of part-a, and convert calculated Fahrenheit into Kelvin. Expected output of the program are as follows:

```
Enter temperature in Centigrade: 27
Temperature in Fahrenheit is: 80.60
Temperature in Kelvin is: 300.15
```

Hint-1: Use the following formula to convert Fahrenheit to Kelvin:

$$Kelvin = (Fahrenheit + 459.67) * 5/9$$

Hint-2: You need to control the float/double printing precisions using *setprecision().*

*You should test your program using PASS.