/\*\*

\*@author Abdul Hannan Bin Zainudin

\* Matric no: 2118719

\* Lab #1 Section #04

\*/

***EXERCISE 1***

#include <iostream>

using namespace std;

int main()

{

double celsius;

double fahrenheit;

cout << "Enter a degree in Celsius: ";

cin >> celsius;

fahrenheit = ((9.0/5.0)\* celsius) + 32;

cout << celsius << " Celsius is " << fahrenheit << " Fahrenheit" << endl;

return 0;

}

***EXERCISE 2***

#include <iostream>

using namespace std;

int main()

{

int subtotal;

double gratuity\_rate;

double gratuity;

cout << "Enter the subtotal and a gratuity rate: ";

cin >> subtotal >> gratuity\_rate;

gratuity = (gratuity\_rate/100)\* subtotal;

cout << "The gratuity is $" << gratuity << " and total is $" << subtotal + gratuity;

return 0;

}

***EXERCISE 3***

#include <iostream>

using namespace std;

int main()

{

int num, sum;

float num1, num2, num3, num4;

cout << "Enter a number between 0 and 1000: ";

cin >> num;

num1 = num%10;

num = num/10;

num2 = num%10;

num = num/10;

num3 = num%10;

num = num/10;

num4 = num%10;

num = num/10;

sum = num1 + num2 + num3 + num4;

cout << " The sum of the digits is " << sum;

return 0;

}