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**CSE 1311: C++ Programming for Engineers**

**Lab 3a: Temp Table**

**Brandon K. Thomas**

**Goal(s): Write a C++ program that calculates the Celsius equivalent**

**to Fahrenheit temperatures.**

**Use loops to increment the temperature from 0 - 300 by +20.**

**Celsius = (Fahrenheit - 32.0) \* (5.0 / 9.0)**

**The program should print the table 2 times.**

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/**

**#include <iostream>**

**using namespace std;**

**int main() {**

**int fahr;**

**double cel;**

**double y;**

**y = 5.0 / 9.0;**

**cout << "Temperature" << endl;**

**for( fahr = 0.0 ; fahr <= 300.0; fahr = (fahr + 20)) {**

**cel = (( fahr - 32 ) \* ( 5.0/9 ));**

**cout << " " << fahr << " " << cel << endl;**

**cout << "\n";**

**int fahr = 0;**

**double cel;**

**while( fahr <= 300.0 ) {**

**cel = (( fahr - 32 ) \* ( 5.0/9 ));**

**cout << " " << fahr << " " << cel << endl;**

**fahr = fahr + 20;**

**}**

**}**

**return 0;**

**} // End of main**

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**CSE 1311: C++ Programming for Engineers**

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**Lab 3b: Kilo Table**

**Goal(s):**

**This program will display a static table from 1 - 100.**

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**#include <iostream>**

**using namespace std;**

**int main() {**

**int mil;**

**float kilo;**

**cout << left << "Miles" << " "<< left**

**<< "Kilometers" << endl;**

**for ( int mil = 1; mil <= 100; mil = mil + 1){**

**kilo = mil \* 1.609;**

**cout << left << mil << left << " "**

**<< kilo << endl;**

**cout.precision(5);**

**}**

**return 0;**

**} // End of main**