Lab 1

Write a C++ program (named "conversion.cpp") that converts the US dollar amount into Euro. The program first prompts the user to enter the amount of US dollars to be converted, then calculates the equivalent amount in Euro, and finally display the result. All the money amount should be displayed with 2 digits after the decimal point. The conversion rate should be created as a constant. Once you finished writing your program, compile and run the program.

Here is an example run of the program:

Enter amount of US Dollar you want to convert : $ 580.50
You entered $580.50

1 dollar = 0.87 EUR
580.50 US Dollar is equivalent to 505.04 EUR

How to display float value with specific precision

To display the float values with desired precision, i.e., 2 digits after the decimal point, add the following two statements in your program:

Add:

#include <iomanip>

in the preprocessor directive section of the program, i.e., at the very top of the program.
<iomanip> is the C++ header file that defines the input and output manipulators.
Add the statement:

cout << fixed << setprecision(2);

before the cout statement that displays the float value. The value 2 indicates that two digits after the decimal is to be printed.