# Part 1: Write, Run, and Observe the Application

Review [*Hello World!, Variables and Basic IO*](http://www.cs.uregina.ca/Links/class-info/cplusplus/HelloWorld.html) and create an application that determines miles-per-gallon, if you know the number of miles driven and number of gallons of gas you put in the tank.

Follow these steps to complete Part 1 of your assignment.

1. Access the Toolwire desktop environment via the Toolwire resources in Unit 1.
2. Launch Code::Blocks.
3. Click the following:
	* **File, New, Project.**
	* **Console Application.**
	* **Go.**
	* **Next.**
	* **C++.**
	* **Next.**
4. In the Project Title field, type **calcMileage**.
5. In Folder to create project in:, click **…**
6. In Folder, click **Make New folde**r and type **calcMileage**.
7. Click the **calcMileage** folder.
8. Click **OK**.
9. Click **Next**.
10. Click **Finish**.
11. Open the main.cpp file under Sources.
12. In the editor, type the following calcMileage application, using this template.

#include <iostream>

using namespace std;

int main()

{

int miles;

int gallons;

float mpg;

cout << "Enter miles: ";

cin >> miles;

cout << "Enter gallons: ";

cin >> gallons;

mpg = miles / gallons;

cout << "Miles per gallon: " << mpg;

return 0;

}

1. Click **Build**, **Build** and **Run**.
2. Enter the number of miles.
3. Enter the number of gallons.
4. Observe the results.