```
// This program takes two numbers (payRate & hours)
// and multiplies them to get grosspay.
// It then calculates net pay by subtracting 15%

// Xu Cao

#include <iostream>
#include <iomanip>
using namespace std;


//Function prototypes
void printDescription();
void computePaycheck(float, int, float&, float&);

int main()
{
      float payRate;
      float grossPay;
      float netPay;
      int hours;

      cout << setprecision(2) << fixed;

      cout << "Welcome to the Pay Roll Program" << endl;
      printDescription();
      cout << "Please input the pay per hour" << endl;
      cin >> payRate;

      cout << endl << "Please input the number of hours worked" << endl;
      cin >> hours;
      cout << endl << endl;

      computePaycheck(payRate, hours, grossPay, netPay);

      cout << "The gross pay is $" << grossPay << endl;

      cout << "The net pay is $" << netPay << endl;

      cout << "We hope you enjoyed this program" << endl;

      return 0;
}

//    ****************************************************************
//    printDescription
//
//    task: This function prints a program description
//    data in: none
//    data out: no actual parameter altered
//
//    ****************************************************************
void printDescription() {
      cout << "************************************************" << endl << endl;
      cout << "This program takes two numbers (payRate & hours)" << endl;
      cout << "and multiplies them to get gross pay " << endl;
      cout << "it then calculates net pay by subtracting 15%" << endl;
      cout << "************************************************" << endl << endl;
}
```

```
// *********************************************************************
//    computePaycheck
//
//    task: This function takes rate and time and multiples them to
//    get gross pay and then finds net pay by subtracting 15%.
//    data in: pay rate and time in hours worked
//    data out: the gross and net pay
//
//    *********************************************************************
void computePaycheck(float rate, int time, float& gross, float& net) {
      gross = rate * time;
      net = gross * (1 - 0.15);
}
```