Salary Computation

**Due: Sun Feb 11, 2024 11:59pm**

100 Points Possible

Consider the following program.

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| #include <iostream>  using namespace std;    int **main**() {     int hourlyWage;     int workHoursPerWeek;     int weeklySalary;     int annualSalary;       cout << "How many hours do you work per week?" << endl;     cin >> workHoursPerWeek;       cout << "What is your hourly wage?" << endl;     cin >> hourlyWage;       weeklySalary = hourlyWage \* workHoursPerWeek;     cout << "Weekly salary is: ";     cout << weeklySalary << endl;       annualSalary = weeklySalary \* 50;     cout << "Annual salary is: ";     cout << annualSalary << endl;       return 0;  } |

Here is an example interaction with the program.

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| --- |
| How many hours do you work per week?  40  What is your hourly wage?  10.5  Weekly salary is: 400  Annual salary is: 20000 |

40 \* 10.5 is not 400. Find the mistakes in the code and fix them. **For full credit you must do the following**:

* Fix the error and submit the working code (only the .cpp file).
* Add comments to the code to explain the purpose of any change(s).
* The code contains a "magic number", replace it with a constant.