The purpose of the program is to tell the user that the weekly salary is in one of three ranges, less than 200, between 200 and 800 and greater than 800. Test the program thoroughly, and fix any unexpected behavior. 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).

#include <iostream>

using namespace std;

int **main**() {

    const int MAX\_HOURS\_IN\_WEEK = 168;

    const int MAX\_WAGE = 100;

    const int LOWER\_SALARY = 200;

    const int UPPER\_SALARY = 800;

    int hourlyWage;

    int workHoursPerWeek;

    int weeklySalary;

    cout << "How many hours do you work per week?" << endl;

    cin >> workHoursPerWeek;

    if (workHoursPerWeek < 0 && workHoursPerWeek > MAX\_HOURS\_IN\_WEEK) {

        cout << "Invalid number of hours per week." << endl;

        return -1;

    }

    cout << "What is your hourly wage?" << endl;

    cin >> hourlyWage;

    if (hourlyWage > MAX\_WAGE) {

        cout << "An hourly wage greater than 100 requires executive approval." << endl;

    } else if (hourlyWage < 0) {

        cout << "Invalid hourly wage." << endl;

        return -1;

    }

    weeklySalary = hourlyWage \* workHoursPerWeek;

    if (weeklySalary < LOWER\_SALARY) {

        cout << "The weekly salary is less than 200." << endl;

    }

    if (weeklySalary <= UPPER\_SALARY) {

        cout << "The weekly salary is between 200 and 800." << endl;

    } else {

        cout << "The weekly salary is greater than 800." << endl;

    }

    return 0;

}