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// Name: James Small
// Program: 4B
// Class: CSE455
// Description: Program to input, output, or modify, and calculate linear
    regression.
#include <iostream>
#include <string>
#include <stdlib.h> // for atoi
#include <ctype.h> // for isdigit
#include "Input.h"
#include "LinearRegression.h"
using namespace std;
int main()
    char choice = 0;
    bool choiceGood = false;
    do {
        cout << "What would you like to do?\n";</pre>
        cout << "Enter 1 to read from file.\n"
        cout << "Enter 2 to write to file.\n";</pre>
        cout << "Enter 3 to modify a file.\n";</pre>
        cout << "Enter 4 to calculate linear regression and prediction interval.</pre>
             \n'';
        cout << "Enter 0 to quit.\n";</pre>
        cout << "Choice: ";</pre>
        cin >> choice;
        if (isdigit(choice)) {
             if (atoi(&choice) >= 0 && atoi(&choice) < 5)</pre>
                 choiceGood = true;
             else
                 cout << "\nInvalid Choice, Try again\n\n";</pre>
        } else
             cout << "\nInvalid Choice, Try again\n\n";</pre>
        cin.ignore(INT_MAX,'\n');
    } while (!choiceGood);
    if (choice != '0') {
        if (choice == '1') {
             Input input;
             input.readFromFile();
        else if (choice == '2') {
             Input input;
             input.writeToFile();
        else if (choice == '3') {
             Input input;
```

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input.modifyFile();
}
else if (choice == '4') {
    LinearRegression linear;

    if (linear.getGood())
        linear.report();
}
}
```