Objective:

- It will hopefully tackle the issues related to streams when using cin and getline together.

***Also remember to user character array to store strings. You are not allowed to use string data type in this regard.**

So In the Home Task 2 – Task 1 – A, the struct should be defined as follows:

```
struct MovieData
{
    char title[100];        //must not do string title;
    char director[100];
    int yearReleased;
    int runningTime;
};
```

*** The following tasks were once given to BS CS Fall 2012 New Campus students PF students to understand the problem related to stream when using cin and getline together.**

Problem-1:

Suppose x and y are int variables and ch is a char variable. Consider the following input:
5 28 36
What value (if any) is assigned to x, y, and ch after each of the following statements executes? (Use the same input for each statement).

A. cin >> x >> y >> ch;
B. cin >> ch >> x >> y;
C. cin >> x >> ch >> y;
D. cin >> x >> y;
   cin.get(ch);

Problem-2:

Suppose x and y are int variables and z is a double variable. Assume the following input data:
37 86.56 32
What value (if any) is assigned to x, y, and z after each of the following statements executes? (Use the same input for each statement.)

A. cin >> x >> y >> z;
B. cin >> x >> z >> y;
C. cin >> z >> x >> y;

Problem-3:

Suppose x and y are int variables and ch is a char variable. Assume the following input data:
13 28 D
14 E 98
A B 56
What value (if any) is assigned to x, y, and ch after each of the following statements executes? (Use the same input for each statement.

A. cin >> x >> y;
   cin.ignore(50, '\n');
   cin >> ch;
B. cin >> x;
   cin.ignore(50, '\n');
   cin >> y;
   cin.ignore(50, '\n');
   cin.get(ch);

C.
```
cin >> y;
cin.ignore(50, '\n');
cin >> x >> ch;
```
D.
```
cin.get(ch);
cin.ignore(50, '\n');
cin >> x;
cin.ignore(50, 'E');
cin >> y;
```

Problem-4:
Given the input:
46 A 49
and the C++ code:

```
int x = 10, y = 18;
char z = '*';
cin >> x >> y >> z;
cout << x << " " << y << " " << z << endl;
```
What is the output?

Problem-5:
Suppose that x and y are int variables, z is a double variable, and ch is a char variable. Suppose the input statement is:
cin >> x >> y >> ch >> z;
What values, if any, are stored in x, y, z, and ch if the input is:

A. 35 62.78
B. 86 32A 92.6
C. 12 .45A 32

Problem-6:
Suppose that age is an int variable and name is a string variable. What are the values of age and name after the following input statements execute?
cin >> age;
getline(cin, name);
if the input is:

A. a. 23 Lance Grant
B. b. 23
   Lance Grant