

Module 3 Chapter 5 Homework

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1 QUESTION 1

Suppose that the input is 3 4 6 7 2 -1. What is the output of the following code?

```
1 int num;
2 int sum;
3
4 cin >> num;
5 sum = num;
6
7 while (num != -1)
8 {
9     sum = sum + 2 * num;
10    cin >> num;
11 }
12
13 cout << "Sum = " << sum << endl;
```

1.1 Solution

TODO: SOLUTION

Figure 1: Question 1 Solution

A General Functions

Since I need my source files to work on both my machine running Windows and Arch Linux, I need cross-platform functions to use. I can never seem to get `system('pause')` to work on any OS other than Windows. To ratify this, I created the following function (under its own class and with its own header file) to do relatively the same thing. It is below.

Figure 2: GenFuncs.cpp

```
1 #include "GenFuncs.h"
2 #include <iostream>
3
4 int GenFuncs::pauseprompt()
5 {
6     std::cout << "Press enter to continue..." << std::endl;
7     std::cin.ignore();
8     return 0;
9 }
```

Figure 3: GenFuncs.h

```
1 #ifndef GEN_FUNCS_H_INCLUDED
2
3 class GenFuncs
4 {
5 public:
6     static int pauseprompt();
7 };
8
9 #endif GEN_FUNCS_H_INCLUDED
```

Figure 4: GenFuncs::pauseprompt();

B Question TODO: Appendix