

Exercise 4.1

```
// This program is to ask for entering a record or to
// show all records according to the input of user
// Usage: Enter_show (This is the name of the program, no command line option)
// Version: 1
// Date: Oct 6, 2006
// Author: Frank
#include <iostream>
using namespace std;
bool menu();// Show a menu to user and ask for input
int main()
{
    bool exitflag = false;
        // A flag to indicate if user wants to quit
    while (exitflag == false)
    {
        exitflag = menu();
        // If user chooses 'q', menu() returns true
    }
    return 0;
}

void enter_record(); // Perform entering a record
void show_record(); //Perform showing all records

// Show a menu to user and ask for input
// Input: Nil
// Return: true if user chooses 'q', otherwise false
bool menu()
{
    char choice; // To store the command of user
    cout<<"[a] Enter a record\n"<<"[b] Show all records\n"<<"[q] Quit\n";
    cout << "Please enter your choice: ";
    cin >> choice;
    switch (choice)
    {
        case 'a':    cout << "Please enter record:\n";
                    enter_record(); break;
    }
}
```

```
        case 'b':    cout << "All records are shown below\n";
                    show_record(); break;
        case 'q':    return true; // Shall quit menu() here
        default :    cout << "Wrong input!\n"; break;
    }
    return false;
}
```

```
// A stub
// Input parameter: Nil
// Return parameter: Nil
void enter_record()
{
}
```

```
// A stub
// Input parameter: Nil
// Return parameter: Nil
void show_record() //stub
{
}
```