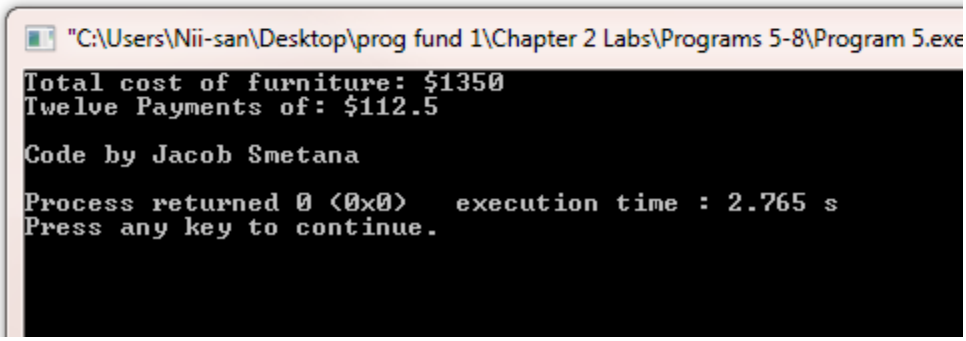
Programs 5-8

Program 5.

gram 5.cpp

```cpp
#include <iostream>
using namespace std;
int main()
{
    double total;
    double payments;

    cout << "Total cost of furniture: $";
    cin >> total;

    payments = total / 12;

    cout << "Twelve Payments of: $";
    cout << payments << endl << endl;

    cout << "Code by Jacob Smetana" << endl;

    return 0;
}
```



Program 6.

gram 6.cpp

```cpp
#include <iostream>
using namespace std;
int main()
{
    double people;
    double slices;

    cout << "Party People: ";
    cin >> people;

    slices = 8 / people;

    cout << "Slices per person: ";
    cout << slices << endl << endl;

    cout << "Code by Jacob Smetana" << endl;

    return 0;
}
```

```
"C:\Users\Nii-san\Desktop\prog fund 1\Chapter 2 Labs\Programs 5-8\Program 6.exe
Party People: 5
Slices per person: 1.6

Code by Jacob Smetana

Process returned 0 (0x0)   execution time : 1.973 s
Press any key to continue.
```

Program 7.

gram 7.cpp

```cpp
#include <iostream>
using namespace std;
int main()
{
    double totalMiles;
    double milesPerGallon;
    double gallons;

    cout << "Total miles for trip: ";
    cin >> totalMiles;

    cout << "Miles per gallon of vehicle: ";
    cin >> milesPerGallon;

    gallons = totalMiles / milesPerGallon;

    cout << endl;
    cout << "Miles for trip: ";
    cout << totalMiles << endl;
    cout << "Miles per gallon: ";
    cout << milesPerGallon << endl;
    cout << "Gallons needed: ";
    cout << gallons << endl << endl;

    cout << "Code by Jacob Smetana" << endl;

    return 0;
}
```

"C:\Users\Nii-san\Desktop\prog fund 1\Chapter 2 Labs\Programs 5-8\Program 7.exe

```
Total miles for trip: 577
Miles per gallon of vehicle: 27

Miles for trip: 577
Miles per gallon: 27
Gallons needed: 21.3704

Code by Jacob Smetana

Process returned 0 (0x0)   execution time : 5.894 s
Press any key to continue.
```

Program 8.

gram 8.cpp

```cpp
#include <iostream>
using namespace std;
int main()
{
    double money;
    double spent;
    double profit;

    cout << "Money earned: $";
    cin >> money;

    cout << "Business costs: $";
    cin >> spent;

    profit = money - spent;

    cout << "Profit: $";
    cout << profit << endl << endl;

    cout << "Code by Jacob Smetana" << endl;

    return 0;
}
```