Programs 5-8

Program 5.

```
gram 5.cpp X
         #include <iostream>
 2
         using namespace std;
 3
         int main()
  4
  5
              double total;
  6
              double payments;
 7
 8
              cout << "Total cost of furniture: $";</pre>
 9
              cin >> total;
10
11
             payments = total / 12;
12
13
              cout << "Twelve Payments of: $";</pre>
14
              cout << payments << endl << endl;
15
16
              cout << "Code by Jacob Smetana" << endl;
17
18
              return 0;
19
            "C:\Users\Nii-san\Desktop\prog fund 1\Chapter 2 Labs\Programs 5-8\Program 5.exe
20
            Total cost of furniture: $1350
Twelve Payments of: $112.5
            Code by Jacob Smetana
            Process returned 0 (0x0)
Press any key to continue.
                                             execution time : 2.765 s
```

Program 6.

```
gram 6.cpp X
         #include <iostream>
 2
        using namespace std;
 3
        int main()
 4
 5
             double people;
 6
             double slices;
 7
 8
             cout << "Party People: ";
 9
             cin >> people;
10
11
             slices = 8 / people;
12
13
             cout << "Slices per person: ";</pre>
14
             cout << slices << endl << endl;
15
16
             cout << "Code by Jacob Smetana" << endl;
17
18
             return 0;
19
            "C:\Users\Nii-san\Desktop\prog fund 1\Chapter 2 Labs\Programs 5-8\Program 6.exe
20
            Party People: 5
Slices per person: 1.6
            Code by Jacob Smetana
           Process returned 0 (0x0)
Press any key to continue.
                                            execution time : 1.973 s
```

Program 7.

```
gram 7.cpp X
 1
         #include <iostream>
 2
         using namespace std;
 3
         int main()
 4
              double totalMiles;
 5
 6
              double milesPerGallon;
 7
              double gallons;
 8
 9
              cout << "Total miles for trip: ";</pre>
10
              cin >> totalMiles;
11
              cout << "Miles per gallon of vehicle: ";</pre>
12
13
              cin >> milesPerGallon;
14
15
              gallons = totalMiles / milesPerGallon;
16
17
              cout << endl;
18
              cout << "Miles for trip: ";
19
              cout << totalMiles << endl;
              cout << "Miles per gallon: ";
20
21
              cout << milesPerGallon << endl;
              cout << "Gallons needed: ";
22
              cout << gallons << endl << endl;
23
24
25
              cout << "Code by Jacob Smetana" << endl;
26
27
              return 0;
28
            "C:\Users\Nii-san\Desktop\prog fund 1\Chapter 2 Labs\Programs 5-8\Program 7.exe
29
            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)
Press any key to continue.
                                             execution time : 5.894 s
```

Program 8.

```
gram 8.cpp X
 1
         #include <iostream>
 2
        using namespace std;
 3
         int main()
  4
  5
             double money;
  6
             double spent;
 7
             double profit;
 8
 9
             cout << "Money earned: $";
10
             cin >> money;
11
12
             cout << "Business costs: $";</pre>
13
             cin >> spent;
14
15
             profit = money - spent;
16
17
             cout << "Profit: $";
18
             cout << profit << endl << endl;
19
20
             cout << "Code by Jacob Smetana" << endl;
21
22
             return 0;
23
            "C:\Users\Nii-san\Desktop\prog fund 1\Chapter 2 Labs\Programs 5-8\Program 8.exe
24
           Money earned: $1337
Business costs: $666
Profit: $671
            Code by Jacob Smetana
            Process returned 0 (0x0)
                                           execution time: 4.710 s
           Press any key to continue.
```