

7.3.cpp

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1  Lab7-3.cpp - calculates the avg # of text messages sent per day
2  Created by Kripa Kini on 3/25/19
3
4  #include <iostream>
5  #include <iomanip>
6
7  using namespace std;
8  int main () {
9      int day = 1;
10     int totalTexts = 0;
11     int dailyTexts = 0;
12     double average = 0.0;
13     while (day < 8) {
14         cout << "How many text messages did you send on day " << day << "? ";
15         cin >> dailyTexts;
16         totalTexts += dailyTexts;
17         day ++;
18     }
19     average = static_cast<double>(totalTexts)/(day - 1);
20     cout << fixed << setprecision(0);
21     cout << endl << "You sent approximately " << average << " text messages per day" << endl;
22     return 0;
23
24
```

1. bash

```
Last login: Mon Mar 25 15:58:10 on ttys000
SriganeshsMBP2:~ kripak$ cd Documents
SriganeshsMBP2:Documents kripak$ cd Ohlone
SriganeshsMBP2:Ohlone kripak$ g++ 7.3.cpp
SriganeshsMBP2:Ohlone kripak$ ./a.out
How many text messages did you send on day 1? 76
How many text messages did you send on day 2? 80
How many text messages did you send on day 3? 100
How many text messages did you send on day 4? 43
How many text messages did you send on day 5? 68
How many text messages did you send on day 6? 70
How many text messages did you send on day 7? 79

You sent approximately 74 text messages per day
SriganeshsMBP2:Ohlone kripak$
```

7.3.cpp

7.4.cpp

```
1 //Lab7-4.cpp - calculates the avg electric bill over some months
2 //Created by Kripa Kini on 3/25/19
3
4 #include <iostream>
5 #include <iomanip>
6
7 using namespace std;
8 int main () {
9     int month = 1;
10    double totalBill = 0.0;
11    double monthlyBill = 0.0;
12    double average = 0.0;
13    while (monthlyBill != -1) {
14        cout << "What was the electric bill for month " << month << "? ";
15        cin >> monthlyBill;
16        if (monthlyBill == -1) {
17            break;
18        }
19        totalBill += monthlyBill;
20        month ++;
21    }
22    totalBill += 1;
23    average = (totalBill)/(month - 1);
24    cout << fixed << setprecision(2);
25    cout << endl << "The average electric bill was " << average << " dollars" << endl;
26    return 0;
27 }
28
```

1. bash

```
Last login: Mon Mar 25 16:12:22 on ttys001
SriganeshsMBP2:~ kripak$ cd Documents
SriganeshsMBP2:Documents kripak$ cd Ohlone
SriganeshsMBP2:Ohlone kripak$ g++ 7.4.cpp
SriganeshsMBP2:Ohlone kripak$ ./a.out
What was the electric bill for month 1? 124.89
What was the electric bill for month 2? 110.65
What was the electric bill for month 3? 99.43
What was the electric bill for month 4? 100.35
What was the electric bill for month 5? -1

The average electric bill was 109.08 dollars
SriganeshsMBP2:Ohlone kripak$
```