## Chapter 5 Farrell Exercises Programs 17-19

Program 17 Code.

```
gram 17 Code.cpp ×
        #include <iostream>
        using namespace std;
 3
        int main()
 4
 5
             int counter;
 6
 7
             for(counter = 25; counter >= 0; counter--)
 8
 9
                  cout << counter << endl;
10
11
             cout << endl;
12
             cout << "Code by Jacob Smetana" << endl;
13
             return 0;
14
           "C:\Users\Nii-san\Desktop\prog fund 1\Chapter 5\Farrell Exercises\Program 17 Code.exe"
15
           22222211111111119876543210
           Code by Jacob Smetana
           Process returned 0 (0x0)
                                           execution time : 0.010 s
           Press any key to continue.
```

```
gram 18 Code.cpp X
        #include <iostream>
        using namespace std;
  3
        int main()
      4
  5
             int number;
  6
             int sum = 0;
  8
             cout << "Enter number: ";</pre>
  9
             cin >> number;
10
             cout << endl;
11
12
             for(int counter = 1; counter <= number; ++counter)</pre>
13
14
                 sum += counter;
15
16
17
             cout << "Sum of every number from 1 to " << number</pre>
18
                  << " is: " << sum << endl << endl << endl;
19
20
             cout << "Code by Jacob Smetana" << endl;
21
             return 0;
22
           "C:\Users\Nii-san\Desktop\prog fund 1\Chapter 5\Farrell Exercises\Program 18 Code.exe"
23
           Enter number: 37
           Sum of every number from 1 to 37 is: 703
           Code by Jacob Smetana
           Process returned 0 (0x0)
Press any key to continue.
                                          execution time : 1.724 s
```

## Program 19 Code.

```
gram 19 Code.cpp X
        #include <iostream>
        using namespace std;
  3
         int main()
      ⊟{
  4
 5
             int number;
  6
             int sum = 0;
  7
             cout << "Enter any amount of numbers to add together and 0 to end: " << endl;</pre>
 8
 9
             cin >> number;
10
             while(number != 0)
11
12
 13
                  sum += number;
 14
                  cin >> number;
15
16
17
             cout << endl << "Sum of numbers entered = " << sum << endl;</pre>
18
             cout << endl << "Code by Jacob Smetana" << endl;</pre>
19
20
             return 0;
21
                                                                                              _ 0
                                                                                                        Σ
            "C:\Users\Nii-san\Desktop\prog fund 1\Chapter 5\Farrell Exercises\Program 19 Code.exe"
 22
           Enter any amount of numbers to add together and 0 to end:
34
17
123
1
1
1
4
21
            Sum of numbers entered = 205
            Code by Jacob Smetana
            Process returned 0 (0x0)
Press any key to continue.
                                           execution time : 14.173 s
```