CS 003 - FUNDAMENTALS OF COMPUTER SCIENCE II (C++)

Lab1: Review

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Problem 1.

Write a program that works as follows. Use while loop.

```
There will be no input
Enter the number of inputs : 5
Enter an integer #1 : 10
Enter an integer #2: 14
Enter an integer #3 : 20
Enter an integer #4 : 11
Enter an integer #5 : 8
Max number : 20
```

```
Enter the number of inputs : 0 Enter the number of inputs : 10
                                Enter an integer #1:1
                                Enter an integer #2
                                Enter an integer #3 : 5
                                Enter an integer #4: 7
                                Enter an integer #5 : 11
Enter an integer #6 : 13
                                Enter an integer #7 : 22
                                Enter an integer #8 : 44
                                Enter an integer #9 : 55
                                Enter an integer #10 : 77
                                Max number : 77
```

Enter the number of inputs : 7 Enter an integer #1: 100 Enter an integer #2: 80 Enter an integer #3 : 77 Enter an integer #4: 55 Enter an integer #5 : 44 Enter an integer #6 : 20 Enter an integer #7 : 5 Max number : 100

1

Problem 2.

• Write a program that computes the following. Use for loop. Define a function as follows:

```
1 + (1+2) + (1+2+3) + (1+2+3+4) + (1+2+3+4+5) + ... + (1+2+3+...+n)
```

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Problem 3.

◆ Write a code that prints numbers as follows (use **for** loop).

```
Enter n : 1

1

Enter n : 2

1

2 3
```

```
Enter n : 4

1

2 3

4 5 6

7 8 9 10
```

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