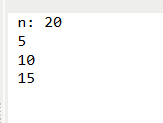
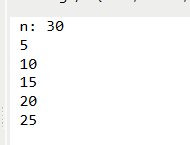
Ch04- Lab 1

# In-Class Lab 1

# Write a while loop that prints all positive numbers that are divisible by 10 or 5 and less than a given number n. For example, if n is 20, print 5 10 15, one value per line*.*

**Sample outputs:**

****

****

|  |
| --- |

|  |
| --- |

|  |
| --- |

# 

# 

# In-Class Lab 2

# Write a while loop that sums and prints any given number's digits.

|  |
| --- |

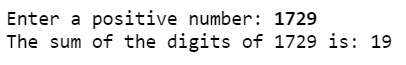
|  |
| --- |

|  |
| --- |

| | **Line** | **number** | **sum** | **i** | **current** | | --- | --- | --- | --- | --- | | 6 | - | 0 | 0 | - | | 9 | 1729 | 0 | 0 | - | | 12 | 1729 | 0 | 0 | 1 | | 13 | 1729 | 1 | 0 | 1 | | 14 | 1729 | 1 | 1 | 1 | | 12 | 1729 | 1 | 1 | 7 | | 13 | 1729 | 8 | 1 | 7 | | 14 | 1729 | 8 | 2 | 7 | | 12 | 1729 | 8 | 2 | 2 | | 13 | 1729 | 10 | 2 | 2 | | 14 | 1729 | 10 | 3 | 2 | | 12 | 1729 | 10 | 3 | 9 | | 13 | 1729 | 19 | 3 | 9 | | 14 | 1729 | 19 | 4 | 9 | | 16 |  | **FINAL SUM: 19** |  |  | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

# 

# **Sample Output:**



# In-Class Lab 3

# Write a program that computes information related to a sequence of grades obtained from the user. It computes the number of passing and failing grades, computes the average grade, and finds the highest and lowest grades.

**Sample output:**

# 

|  |
| --- |

| **Note: It SHOULD be 3 passing grades, unless a 70 flat is considered failing** |
| --- |

# 

# In-Class Lab 4

# Write a while loop that calculates the average of all the positive numbers entered by the user, divisible by 3, until the user enters a negative number. A FLAG (**a boolean variable**) must control your while loop.

|  |
| --- |

|  |
| --- |

|  |
| --- |

# 

**Sample output:**

