**Programming Fundamentals**

**Fall 2018**

**Sections: A & B**

**Home Work - 1**

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| **Topics Covered:**   * Algorithm * Pseudo code, Flowcharts * If-else | **Submission Deadline:**  Tuesday 17-09-2019.  Hard form (Hand Written) |

1. Write a pseudo code & algorithm that finds the greatest among three given numbers. Also draw flow chart of it.
2. Write a pseudo code & algorithm that converts the temperature from Celsius to Fahrenheit. Also draw flow chart of it.
3. Write an algorithm that takes temperature as an input and makes following decisions

* If temp. is greater than 40 it says “very hot day”
* If temp. is less than 20 it says “it’s cool”
* Otherwise it says “ It’s a normal day”

1. Find the area of circle by taking radius from user. If calculated area is >100 print “large circle” otherwise print “small circle”. Draw a flow chart of it.
2. Write an algorithm that calculates the table of given number. Table is calculated from 1-10. Ex. Also draw flow chart of it.

2 x 1 =2

2 x 2 =4

………..

2 x 10 = 20

1. Find the sum of 5 numbers. Draw Flow chart
2. Draw the flow chart to log in to Facebook account