CL-1002
Programming Fundamentals
Lab # 2

Objectives:
- Introduction to procedural flow.
- Exhibit the understanding of pseudocode.

Note: Carefully read the following instructions (*Each instruction contains a weightage***)**

1. Use proper **font family** and **font size** of **heading**, **sub heading** and **normal text**.
2. First think about statement problem then write/draw your logic on copy.
3. Write pseudocode of every task on **Microsoft Word**.
4. File tittle should in proper format (**22F-1001-Lab2**)
5. Do not copy from any source otherwise you will be penalized with negative marks.
6. Complete your lab **within given Time Slot**.

Problem: Write pseudocode of decision-based problems.

1. A brand offered 10% discount on each shirt purchased. Take the original price of shirt from user, find the discounted price of one shirt. Write the pseudocode for this problem statement.
2. Write a program that take marks of three students in a class, and calculates the average marks of that class.
3. Write pseudocode to print positive number entered by the user. If user enters a negative number, it is skipped.
4. Write pseudocode to print even number entered by the user. If user enters an odd number, it is skipped.
5. Write pseudocode to add bonus of 100$ to each person whose salary is greater than 1500$.
6. Write a pseudocode to check whether a number is even or odd.
7. Write pseudocode to check whether a character is Vowel or Consonant.
8. Write pseudocode to that year input from user and check whether it's Leap Year or Not (year exactly divided by 4 is leap year, like 2000, 2004, 2008 etc)
9. Write pseudocode to read the age of a candidate and determine whether it is eligible for casting his/her own vote or not. **Eligibility (age >= 18)**
10. Write pseudocode to read the total marks of student and determine the grade of student

    Total marks greater than 80, grade is A+

    Total marks greater than 75, grade is A

Total marks greater than 70, grade is B

Total marks greater than 65, grade is C

Total marks greater than 60, grade is D

Total marks greater or equal to than 50, grade is E

Otherwise, grade is F

11. Write a pseudocode to take weather and determine the condition of weather on the following conditions:

Weather is greater than 45, WARM

Weather is greater than 20, NORMAL

Weather is less than or equal to 20, COOL

Otherwise, False input

Best of Luck ☺

You need to done with your exercise within given time.