Assignment -1

1. Write the program to input credits of a Campus leader and then output the badge of the lead on the basis of the following criteria:

a. 7500 <= credits : Tera leader

b. 6000 <= credits < 7500 : Gega leader

c. 4500 <= credits < 6000 : Mega leader

d. Credits < 4500 : Rising Star

- 2. Write the pseudocode & a program to calculate the simple interest based on the inputs(amount, rate, time) provided by the user.
- 3. Write the pseudocode & the program to calculate GCD of two numbers.
- 4. Write a program to print even numbers after odd times jump.

- 2 (then jump 1 even number 4) -> 6
- 6 (then jump 3 even numbers 8, 10, 12) -> 14
- 14 (then jump 5 even numbers 16,18,20,22,24) -> 26
- 5. Write a program to count the number of digits in a number.
- 6. Write a program to reverse a number (9735 -> 5379)
- 7. Write programs to print the following patterns for an input n = 4:
 - a. *

* *

* * *

* * * *

b. 1

12

123

1234