Upflairs
Because winning takes it all

JECRC – 45 Days In-campus Training (4 Semester)
Subject – Data Science with ML & AI

Day 6: 26th April, 2024
Topic – Function

Assignment 6:-

1. Write a Python function called is palindrome that takes a string s as input and returns True if s is a palindrome (reads the same forwards and backwards), otherwise returns False.

2. Write a Python function called calculator that takes three arguments: num1 (float), num2 (float), and operation (string). The function should perform the specified operation ('add', 'subtract', 'multiply', 'divide') on num1 and num2 and return the result

3. Write a python function called word Counter that takes a string "S" as an input, and return the count of each character in word or in "S".
   e.g pass S = "upflairs pvt ltd"
   u -> 1
   p -> 2
   l -> 2
   and so on .

4. Write a Python function called right_triangle_pattern that takes an integer n as input and prints a right triangle pattern of n rows. Each row should contain i asterisks (*), where i is the row number.
   Example: For n = 5, the pattern should be:

   *
   * *
   * * *
   * * * *
   * * * * *

5. Write a Python function called `multiplication_table` that takes an integer `n` as input and prints the multiplication table of `n` up to 10.

Submit your assignment to the below link
https://forms.gle/nWzcK6whfL3VZuoC9