CS441- Big Data Concepts
Assignment No.1 (Graded)

Maximum Marks: 20

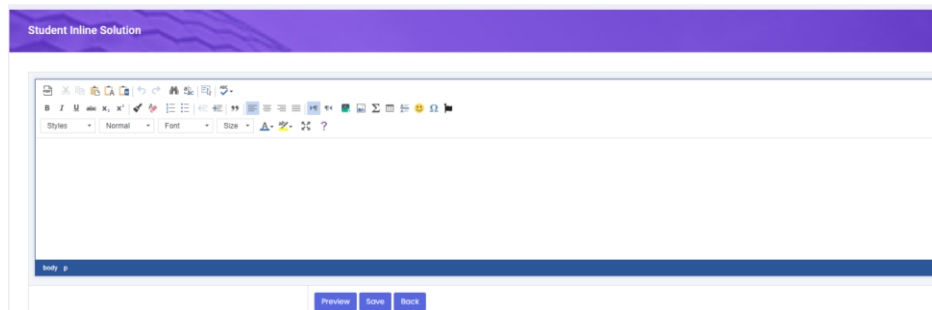*Due Date: 13 November 2023*

Instructions

The purpose of this assignment is to give you hands-on practice. It is expected that students will solve the assignment themselves. The following rules will apply during the evaluation of the assignment.

- Cheating from any source will result in zero marks in the assignment.
- The submitted assignment does NOT open or the file is corrupted.
- No assignment after the due date will be accepted.
- Students can submit HTML, Images, and plain text only in this inline Mode. The table can also be drawn using this interface.
- (DOC/pdf File uploading option will not be available) in inline assignment submission.

Uploading Assignment Instruction

Follow the given instructions to submit the inline assignment.

- You can write your code in Python interpreter either by installing it on your system or using the following online compiler.
    - https://www.programiz.com/python-programming/online-compiler/
- You can copy/paste your Python Code into the submission interface as shown below.

Lectures Covered

This assignment covers contents covered in Weeks 1-3.

Objectives & Learning Outcome

The objectives of this assignment are to:

- Give the idea of writing Python code.
- Provide an understanding of While Loop, Conditional Statements, and Functions.

After completing the assignment, the student will be able to Write programs in Python Language.

Question No. 1   (10 Marks)

You are required to write a program in Python that takes temperature readings from the User as input and displays Weather Information according to the rules given below.

Temperature in degrees Celsius	Weather Information
Below 0º C	Freezing Weather
If temperature is equal to or greater than 0º C and less than or equal to 10º C.	Cold Weather
If the temperature is greater than 10º C and less than or equal to 20º C.	Cool Weather
If the temperature is greater than 20º C and less than or equal to 30º C.	Warm Weather
If the temperature is greater than 30º C and less than or equal to 40º C.	Hot
Above 40º C	Blazing

Sample Output:

```
Enter Temperature Reading: 45
Blazing Weather
```

Question No. 2   (10 Marks)

You are required to write a program in Python that uses the concepts of "**Function**" and "**For Loop**" to print the first 20 odd numbers.

Note: Plagiarism will be checked for each question. Marks will be awarded based on your answer and plagiarism report.

For any query about the assignment, contact at email CS441@vu.edu.pk

Good Luck!