Data Science In Tamil – Batch 2
Basic Assignment No. 1

- ➢ Everyone must do the project on his / her own
- ➢ Don't post the project the telegram group
- ➢ Post your Code & Output Screen shot in Classroom under Assignment
- ➢ Volunteers are expected from telegram group to manage
- ➢ All your source code will be freely used by other DSIT members

Submission Date : On or before 17th September 2021

Assignment Name : Seminar Entry Pass System

Let us assume that DSIT is conducting a technical Seminar/Conference in Chennai related to Data Science. DSIT decided to allow 100 members to participate.

As a Python developer, we are assigned to develop a simple program to collect details of participants who are entering the entrance gate and show a entry pass. When 100 participant reaches, system will the the message "HOUSEFUL" and show a summary, says total number of participants under each category like Students, Employees, UN-Employees.

What are the things you need to learn.
1. Assignment Operator
2. Input Statement
3. Print Statement
4. while loop
5. If condition

Keep below in mind before start.
1. Use variable name as meaningful
2. Use comment line whenever required.
3. Use proper indentation.
4. Input & Output messages as neat.

Step by Step Process Flow.

1. Initialize variable for Allowed participants in the seminar.
2. Initialize variable for Pass number. (Pass number & Count will be same)
3. Initialize required Variables for No.of Student,Emplyee & Un-Employee
4. While loop with Condition

5. Input Participant details & screen should be like this.

<div align="center">Welcome to DSIT Seminar</div>

Name of Participant   :
Place   :
Category (S)tudent/(E)mployee/(U)nEmployee :

6. Entry Pass Format (Print)

<div align="center">Data Science In Tamil</div>
<div align="center">Anna Salai, Chennai</div>
<div align="center">Seminar on Data Science</div>
<div align="center">E N T R Y P A SS</div>

Pass No. : 1
Name   : M.A.SANKAR
Place   : Nagercoil
Category : Employee

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7. Check Category & Increase Category total count.
8. Increase Counter & process will continue upto 100th participant arrives.

9. When Participant count exceed 100, Print "HOUSEFUL" and ask for Report required or not.

HOUSEFUL
Do you want Report <Y/N> :

9. If input is Y, Print below report in screen.

```
----------------------------------------------------------------
                  Data Science In Tamil
                   Anna Salai, Chennai
                 Seminar on Data Science
                      R E P O R T
No of Participants    : 100
No of Students        :  50
No of Employees       :  25
No of Un-Employees : 25
----------------------------------------------------------------
```

Note : Please do the assignment as in Document.

        Let us expand the functionality after studying more commands & methods in Python.