DBMS II LAB 04

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Note: Remember to write down your commands and errors encountered in a notepad file to be evaluated.

Any kind of plagiarism is going to be severely penalized.

Additional Note: For reference to the built-in functions, visit:

`https://www.techonthenet.com/oracle/functions/index.php`

TASK DESCRIPTION

Consider the following entities:

```
1. Dept (Dept_Name, Est_Year, HoD, Budget)

2. Program (Prg_Name, FK(Dept_Name), Tot_Cred, Offered_Year)

3. Student (Stud_ID, Name, DoB, Permanent Address, Height, Blood_Grp,
    FK(Prg_Name), FK(Dept_Name))

4. Course (Course_code, Title, Credit, FK(Ins_ID), FK(Sem_name))

5. Stud_Take_Course (FK(Stud_ID), FK(Course_Code), FK(Semester))

6. Teacher (Ins_ID, Name, Phone, Address, Blood_Grp, FK(Dept_Name))

7. Semester (Sem_Name, FK(Prg_Name), FK(Dept_Name))
```

Tasks

1. Write a function that takes a student ID and semester as input and returns the total number of courses the student has taken that semester.

2. Write a procedure to list the student IDs and names of all students who have been taught by a particular instructor.

3. Show with appropriate example the use of the following built-in functions:
   CONCAT, INITCAP, INSTR, LOWER, UPPER, LENGTH, L/R PAD, L/R TRIM, SUBSTR, COUNT