

Experiment No. 2.3

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Semester: I

Subject Name: ADBMS LAB

UID: 22MCI10074

Section/Group: MAM-1/ Grp B

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1. Aim/Overview of the practical:

Generate the following two result sets:

1. Query an alphabetically ordered list of all names in OCCUPATIONS, immediately followed by the first letter of each profession as a parenthetical (i.e.: enclosed in parentheses). For example: AnActorName(A), ADoctorName(D), AProfessorName(P), and ASingerName(S).

2. Query the number of occurrences of each occupation in OCCUPATIONS. Sort the occurrences in ascending order, and output them in the following format:

There is a total of [occupation_count] [occupation]s.

where [occupation_count] is the number of occurrences of an occupation in OCCUPATIONS and [occupation] is the lowercase occupation name. If more than one Occupation has the same [occupation_count], they should be ordered alphabetically.

Note: There will be at least two entries in the table for each type of occupation.

2. Code for experiment/practical:

```
create table Info(Name varchar(20), Occupation varchar(20));
insert into Info values("Rishav", "Student");
insert into Info values("Lucky", "Professor");
insert into Info values("Jesu", "Actor");
insert into Info values("Shika", "Model");
insert into Info values("Amar", "Student");
insert into Info values("Rishant", "Actor");
insert into Info values("Sushil", "Professor");
insert into Info values("Aneesh", "Student");
insert into Info values("Atharav", "Singer");
```

```
select Info.Name, SUBSTR(Occupation, 1, 1) As Occupation
from Info
Order by Name asc;
```



```
SELECT "There are total of" Name,  
COUNT(*) AS `Count`, Occupation  
FROM Info  
GROUP BY Occupation
```

3. Output:

Output

Name	Occupation
Amar	S
Aneesh	S
Atharav	S
Jesu	S
Lucky	P
Rishant	A
Rishav	A
Shika	M
Sushil	P

Name	Count	Occupation
There are total of	2	Actor
There are total of	1	Model
There are total of	2	Professor
There are total of	1	Singer
There are total of	3	Student

***** **THE END** *****