**Lab-3**

**Note: Use the tables which you have already created in the previous assignments.**

1. Create a table ‘SECTION’ with schema

(course\_id, sec\_id, semester, year, building, room\_no)

Course\_id refers course table.

1. Create a table ‘TEACHES’ with schema

(ins\_id, course\_id, section\_id, semester, year).

ins\_id refers to the instructor table

(course\_id, section\_id, semester, year) refers to the section table,

1. Retrieve the number of courses taught in year 2017 (use COUNT)
2. Retrieve the teachers who teach in semester 5 and year 2017 (use DISTINCT)

Remove keyword distinct and check the difference.

1. Get the average budget of departments in building ‘PAINTER’. (use AVG)
2. Retrieve the room numbers in ascending order of course id
3. Retrieve the departments having maximum budget. If there are multiple such departments, order by the department\_name
4. Alter table SECTION to include the day, start time and end time of the course
5. Find the courses that have been taught before 12:00 noon on Tuesdays in fifth semester in year 2017.
6. Find the courses taught by ‘1056’ instructor and rename the data retrieved as ins\_1056.
7. Retrieve department id and name as one column from department table(use string concatenation i.e. department\_id || name)
8. Select average credits of the courses offered by CSE department or CSA department.
9. Retrieve maximum salary in CSE department and rename the column as max\_salary.
10. Alter table instructor to include date of birth with date datatype
11. Compute the age of instructors in instructor table.

Select \*, extract (year from age (current\_Date,dob)) as “age” from instructor;