**Data Querying and Manipulation using SQL**

**SELECT, WHERE, ORDER BY, Expressions**

Write appropriate SQL queries for following problems.

1. Select all job titles whose maximum salary is > 10000 (9 rows)
2. Select all job titles whose minimum salary is > 8000 and max salary < 20000 (3 rows)
3. Select all locations (id, city) which do not have any state province mentioned (6 rows)
4. List all IT related departments where there are no managers (2 rows)
5. List all departments with managers for location id 1700 (5 rows)
6. For how many years did employee 101 work as Account Manager? (1 row, 3.38... yrs)
7. List employee id, first name and their GROSS salaries whose monthly GROSS salary > 15000. Show least to highest gross salaries in the output (6 rows)
8. Show location id and cities of US or UK whose city name starts from 'S' but not from 'South'. (2 rows)
9. Print a bonafide certificate for an employee (say for emp. id 123) as below:

"This is to certify that <full name> with employee id <emp. id> is working as <job id> in dept. <dept. no.> since <join date>. His/her annual gross salary is $<gross\_sal>.00". (1 row - 1 column)

1. Write a query for the current income tax rate (input in terms of %) and for an employee\_id as input, show the employee\_id, first\_name, annual salary, tax rate, the tax amount and the net annual salary (1 row)