

SQL ASSIGNMENT – 3

1) Write an SQL query to print the FIRST_NAME from Worker table after removing white spaces from the right side.

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'SCHEMAS' tree with 'workers' selected. The 'Table: worker_table' is expanded, showing columns: ID, FIRST_NAME, LAST_NAME, CITY, SALARY, DEPARTMENT, and JOINING_DATE. The main editor shows a query:

```
1 use workers;
2 select rtrim(first_name) as Firstname from worker_table;
```

The 'Result Grid' shows the output of the query:

Firstname
Dattu
Nick
Afroz
Sai
Chakri
Budda
Gupta
Usha
Pratyusha
Ram
Dat
Amitabh

The bottom status bar shows the query execution results: 12 rows returned, 0.000 sec / 0.000 sec.

2) Write an SQL query that fetches the unique values of DEPARTMENT from Worker table and prints its length.

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'SCHEMAS' tree with 'workers' selected. The 'Table: worker_table' is expanded, showing columns: ID, FIRST_NAME, LAST_NAME, CITY, SALARY, DEPARTMENT, and JOINING_DATE. The main editor shows a query:

```
1 use workers;
2 -- select rtrim(first_name) as Firstname from worker_table;
3 select distinct(department),length(department) from worker_table;
```

The 'Result Grid' shows the output of the query:

department	length(department)
Analytics	9
Consulting	10
Finance	7
Development	11
Software	8
Mechanical	10
Civil	5
Electronics	11
IT	2
Sales	5
Marketing	9
Entertainment	13

The bottom status bar shows the query execution results: 12 rows returned, 0.000 sec / 0.000 sec.

3) Write an SQL query to fetch nth max salaries from a table.

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'SCHEMAS' tree with the 'workers' database selected. The main editor window shows a SQL query in the 'Query 1' tab:

```
1 use workers;
2 -- select rtrim(first_name) as Firstname from worker_table;
3 -- select distinct(department),length(department) from worker_table;
4 select department,salary from worker_table order by salary desc limit 1;
```

Below the query editor, the 'Result Grid' shows the output of the query:

department	salary
Consulting	300000

The bottom panel shows the 'Action Output' tab with the following details:

#	Time	Action	Message	Duration / Fetch
23	18:25:14	select department,salary from worker_table order by salary desc limit 2	2 row(s) returned	0.000 sec / 0.000 sec
24	18:25:18	select department,salary from worker_table order by salary desc limit 1	1 row(s) returned	0.000 sec / 0.000 sec

On the right side of the interface, a message states: 'Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.'