

## SQL ASSIGNMENT – 5

1) Write an SQL query to print details of workers excluding first names, “Vipul” and “Satish” from Worker table.

The screenshot shows the MySQL Workbench interface. The query editor contains the following SQL code:

```
1 -- use workers;
2 -- insert into worker_table values(12,"Nipun","Raj","Bangalore",50000,"Finance","2019-01-07");
3 -- insert into worker_table values(13,"Satish","Kumar","Coimbatore",650000,"Finance","2018-03-07");
4 select * from worker_table where first_name<>'Nipun' and first_name <> 'Satish';
```

The result grid displays the following data:

| ID | FIRST_NAME | LAST_NAME  | CITY      | SALARY | DEPARTMENT    | JOINING_DATE |
|----|------------|------------|-----------|--------|---------------|--------------|
| 1  | Dattu      | Thruguntla | Guntur    | 100000 | Analytics     | 2020-03-07   |
| 2  | Nick       | sebastian  | Vijaynada | 300000 | Consulting    | 2020-04-07   |
| 3  | Afroz      | Shak       | Vizag     | 150000 | Finance       | 2020-05-07   |
| 4  | sai        | kodu       | Nellore   | 120000 | Development   | 2020-06-07   |
| 5  | chakri     | Thn1       | Hyderabad | 90000  | Software      | 2020-07-07   |
| 6  | budda      | Thn2       | Warangal  | 21000  | Mechanical    | 2020-08-07   |
| 7  | gupta      | Thn3       | Chennai   | 18000  | Civil         | 2020-09-07   |
| 8  | usha       | Thn4       | Gurgaon   | 70000  | Electronics   | 2020-10-17   |
| 9  | pratyusha  | Thn5       | Mumbai    | 120000 | IT            | 2020-11-17   |
| 10 | ram        | Thn6       | Pune      | 30000  | Sales         | 2020-12-17   |
| 11 | Dat        | Thn6       | hoda      | 10000  | Marketing     | 2020-06-07   |
| 11 | Amitabh    | Bachan     | Mumbai    | 250000 | Entertainment | 1965-06-07   |

The output pane shows the execution of the query, returning 12 rows.

2) Write an SQL query to print details of the Workers whose FIRST\_NAME ends with ‘h’ and contains six alphabets.

The screenshot shows the MySQL Workbench interface. The query editor contains the following SQL code:

```
1 -- use workers;
2 -- insert into worker_table values(12,"Nipun","Raj","Bangalore",50000,"Finance","2019-01-07");
3 -- insert into worker_table values(13,"Satish","Kumar","Coimbatore",650000,"Finance","2018-03-07");
4 -- select * from worker_table where first_name<>'Nipun' and first_name <> 'Satish';
5 select * from worker_table where first_name like 'h' and length(first_name)=6;
```

The result grid displays the following data:

| ID | FIRST_NAME | LAST_NAME | CITY       | SALARY | DEPARTMENT | JOINING_DATE |
|----|------------|-----------|------------|--------|------------|--------------|
| 13 | Satish     | Kumar     | Coimbatore | 650000 | Finance    | 2018-03-07   |

The output pane shows the execution of the query, returning 1 row.

### 3) Write a query to validate Email of Employee.

The screenshot shows the MySQL Workbench interface with a query window titled 'creating\_inserting'. The query contains several SQL statements for inserting data, altering the table structure, and validating email addresses. The 'Result Grid' displays the output of the query, showing a list of employees with their IDs, first names, last names, cities, salaries, departments, joining dates, and email IDs. The 'Output' pane at the bottom shows the execution progress and results of the query.

```
3 -- insert into worker_table values(13,"Satish","Kumar","Coimbatore",650000,"Finance","2018-03-07");
4 -- select * from worker_table where first_name<>'Nipun' and first_name <> 'Satish';
5 -- select * from worker_table where first_name like 'N%' and length(first_name)=6;
6 -- alter table worker_table drop emailID;
7 -- select * from worker_table;
8 -- SET SQL_SAFE_UPDATES = 0;
9 -- delete from worker_table where ID is null;
10 -- SET SQL_SAFE_UPDATES = 1;
11 -- alter table worker_table add EmailID varchar(50);
12 -- SET SQL_SAFE_UPDATES = 0;
13 -- update worker_table set EmailID = concat(first_name,last_name,"@gmail.com") where EmailID is not null;
14 -- insert into worker_table values(14,"sree","gonuguntla","Gudur",10000,"Analysis","2020-03-07","sree@gail.com");
15 select * from worker_table where EmailID like '%@gmail.com';
16
```

| ID | FIRST_NAME | LAST_NAME  | CITY      | SALARY | DEPARTMENT    | JOINING_DATE | EmailID                   |
|----|------------|------------|-----------|--------|---------------|--------------|---------------------------|
| 1  | Dattu      | Thruguntla | Guntur    | 100000 | Analytics     | 2020-03-07   | DattuThruguntla@gmail.com |
| 2  | Nick       | sebastian  | Wijaynada | 300000 | Consulting    | 2020-04-07   | Nicksebastian@gmail.com   |
| 3  | Afroz      | Shak       | Vizag     | 150000 | Finance       | 2020-05-07   | AfrozShak@gmail.com       |
| 4  | sai        | kodu       | Nellore   | 120000 | Development   | 2020-06-07   | saiakodu@gmail.com        |
| 5  | chakri     | Thn1       | Hyderabad | 90000  | Software      | 2020-07-07   | chakriThn1@gmail.com      |
| 6  | budda      | Thn2       | Warangal  | 21000  | Mechanical    | 2020-08-07   | buddaThn2@gmail.com       |
| 7  | gupta      | Thn3       | Chennai   | 18000  | Civil         | 2020-09-07   | guptaThn3@gmail.com       |
| 8  | usha       | Thn4       | Gurgaon   | 70000  | Electronics   | 2020-03-17   | ushaThn4@gmail.com        |
| 9  | pratyusha  | Thn5       | Mumbai    | 120000 | IT            | 2020-03-27   | pratyushaThn5@gmail.com   |
| 10 | ram        | Thn6       | Pune      | 30000  | Sales         | 2020-04-17   | ramThn6@gmail.com         |
| 11 | Dat        | Thn6       | Noida     | 10000  | Marketing     | 2020-06-07   | DatThn6@gmail.com         |
| 12 | Amitabh    | Burhan     | Mumbai    | 160000 | Entertainment | 16-06-2017   | AmitabhBurhan@gmail.com   |

Output

| #  | Time     | Action  | Message            | Duration / Fetch      |
|----|----------|---|--------------------|-----------------------|
| 64 | 15:58:21 | select * from worker_table where EmailID like '%@gmail.com' LIMIT 0, 1000 | 14 row(s) returned | 0.000 sec / 0.000 sec |
| 65 | 15:58:58 | select * from worker_table where EmailID like '%@gmail.com' LIMIT 0, 1000 | 14 row(s) returned | 0.016 sec / 0.000 sec |