**UDS23201J (Introduction to Computing with Distributed Data Processing)**

**SQL Practice Questions**

1. **Create two table of name Worker & Bonus with listed values.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **WORKER\_ID** | **FIRST\_NAME** | **LAST\_NAME** | **SALARY** | **JOINING\_DATE** | **DEPARTMENT** |
| 001 | Monika | Arora | 100000 | 2021-02-20 | HR |
| 002 | Niharika | Verma | 80000 | 2021-06-11 | Admin |
| 003 | Vishal | Singhal | 300000 | 2021-02-20 | HR |
| 004 | Amitabh | Singh | 500000 | 2021-02-20 | Admin |
| 005 | Vivek | Bhati | 500000 | 2021-06-11 | Admin |
| 006 | Vipul | Diwan | 200000 | 2021-06-11 | Account |
| 007 | Satish | Kumar | 75000 | 2021-01-20 | Account |
| 008 | Geetika | Chauhan | 90000 | 2021-04-11 | Admin |

**Table 1: Worker\_Table**

**Table 2: Bonus**

| WORKER\_REF\_ID | BONUS\_DATE | BONUS\_AMOUNT |
| --- | --- | --- |
| 1 | 2023-02-20 00:00:00 | 5000 |
| 2 | 2023-06-11 00:00:00 | 3000 |
| 3 | 2023-02-20 00:00:00 | 4000 |
| 1 | 2023-02-20 00:00:00 | 4500 |
| 2 | 2023-06-11 00:00:00 | 3500 |

#### Write a SQL query to fetch “FIRST\_NAME” from the Worker table using the alias name <WORKER\_NAME>.

#### Write a SQL query to fetch “FIRST\_NAME” from the Worker table in upper case.

1. **Solution:** Select upper(FIRST\_NAME) from Worker;

#### Write a SQL query to print details for Workers with the first names “Vipul” and “Satish” from the Worker table.

#### Write a SQL query to print details of Workers with DEPARTMENT name as “Admin”.

#### Write a SQL query to print details of the Workers whose FIRST\_NAME contains ‘a’.

#### Write a SQL query to print details of the Workers who joined in Feb 2021.

#### Write a SQL query to fetch the count of employees working in the department ‘Admin’.

#### Write a SQL query to clone a new table from another table.

#### Write a SQL query to show the current date and time.

#### Write a SQL query to print the names of employees having the highest salary in each department.

#### Write a SQL query to print the names of employees having the second and third highest salary in each department.

#### Write a SQL query to to update the name of employee Geetika Chauhan to Geetika Singh.

#### Write a SQL query to find the total number of department in the company.

#### Write a SQL query to find out total bonus amount given to worker.

#### Write a SQL query to find the name of those worker who received bonus amount.

#### Create following table with using foreign key concept.

#### Table 3: JobTitle

|  |  |
| --- | --- |
| **WORKER\_REF\_ID** | **WORKER\_TITLE** |
| 1 | Manager |
| 2 | Executive |
| 8 | Executive |
| 5 | Manager |
| 4 | Asst. Manager |
| 7 | Executive |
| 6 | Lead |
| 3 | Lead |

1. **Write a SQL command to find out those name of employee whose worker title is Manager.**
2. **Write a SQL command to find the name of worker whose worker title is executive.**