Laboratory work #4 Thursday

Please write SQL queries for following tasks and save as .sql file.

1. Create database called «lab4».

2. Create table Worker and insert the data using following scripts

```
CREATE TABLE Worker (
  WORKER_ID SERIAL NOT NULL PRIMARY KEY,
  FIRST_NAME CHAR(25),
  LAST_NAME CHAR(25),
  SALARY INT,
  JOINING_DATE DATE,
  DEPARTMENT CHAR(25)
);
```

```
INSERT INTO Worker
  (WORKER_ID, FIRST_NAME, LAST_NAME, SALARY, JOINING_DATE, DEPARTMENT)
VALUES
        (default, 'Moni', 'Kerma', 100000, '17-02-19', 'Programmer'),
        (default, 'Monika', 'Arora', 100000, '14-02-20', 'HR'),
        (default, 'Niharika', 'Verma', 80000, '14-06-11', 'Admin'),
        (default, 'Vishal', 'Singhal', 300000, '14-02-20', 'HR'),
        (default, 'Amitabh', 'Singh', 500000, '14-02-20', 'Admin'),
        (default, 'Vivek', 'Bhati', 500000, '14-06-11', 'Admin'),
        (default, 'Vipul', 'Diwan', 200000, '14-06-11', 'Account'),
        (default, 'Satish', 'Kumar', 75000, '14-01-20', 'Account'),
        (default, 'Geetika', 'Chauhan', 90000, '14-04-11', 'Admin');
```

3. Write an SQL query to fetch “FIRST_NAME” from Worker table using the alias name as <worker_name>.

4. Write an sql query to print all worker details from the worker table order by first_name ascending.

5. Write an sql query to print details for workers with the first name as “Vipul” and “Satish” from worker table.

6. Write an sql query to print details of workers with department name as “Admin”.

7. Write an sql query to fetch the number of workers for each department in the descending order.

8. Write an sql query to fetch the number of workers in department “Account”.

9. Write an sql query to fetch the 2nd largest salary in department “Admin”.

10. Write an sql query to fetch the unique Departments in the descending order.

11. Write an sql query to fetch the unique Departments in the ascending order.

12. Write an sql query to fetch the number of workers and total salary of all workers.

13. Write an sql query to fetch the total salary of all workers which has joining_date 14 June 2011.

14. Write an sql query to fetch the departments which has more than 2 workers

15. Write an sql query to fetch number of workers, max and min salary grouping by joining_date in ascending order