Assignment 1

```
create database orgl;
use orgl;
create table worker(
Worker_id int not null primary key auto_increment,
first_name char(20),
Last_name char(20),
Salary int,
joining_date datetime,
department char(25)
);
insert into worker (Worker_id,first_name,last_name,salary,joining_date,department)values(
001,
 'monika',
 'Arora',
 100000,
 '14-02-20 09.00.00',
 'HR');

 insert into worker (Worker_id,first_name,last_name,salary,joining_date,department)values(
002,
 'Niharika',
 'Verma',
 80000,
 '14-06-11 09.00.00',
 'Admin');
 insert into worker (Worker_id,first_name,last_name,salary,joining_date,department)values(
003,
'Vishal',
'Singhal',
 300000,
 '14-02-20 09.00.00',
```

```
 'HR'
 );
 insert into worker (Worker_id,first_name,last_name,salary,joining_date,department)values(
004,
'Amitabh',
 'Singh',
 500000,
 '14-02-20 09.00.00',
 'Admin');
 insert into worker (Worker_id,first_name,last_name,salary,joining_date,department)values(
005,
'Vivek',
'Bhati',
 500000,
 '14-06-11 09.00.00',
 'Admin');
 insert into worker (Worker_id,first_name,last_name,salary,joining_date,department)values(
006,
 'Vipul',
 'Diwan',
 200000,
 '14-06-11 09.00.00',
 'Account');
 insert into worker (Worker_id,first_name,last_name,salary,joining_date,department)values(
007,
 'satish',
 'kumar',
 75000,
 '14-01-20 09.00.00',
 'Account');
   insert into worker (Worker_id,first_name,last_name,salary,joining_date,department)values(
```

```
008,
 'geethika',
 'chauhan',
 90000,
 '14-04-11 09.00.00',
 'admin');

 CREATE TABLE Bonus (
WORKER_REF_ID INT,
BONUS_AMOUNT INT(10),
BONUS_DATE DATETIME,
FOREIGN KEY (WORKER_REF_ID)
REFERENCES Worker(WORKER_ID)
 ON DELETE CASCADE
);
INSERT INTO Bonus
(WORKER_REF_ID, BONUS_AMOUNT, BONUS_DATE) VALUES
(001, 5000, '16-02-20'),
(002, 3000, '16-06-11'),
(003, 4000, '16-02-20'),
(001, 4500, '16-02-20'),
(002, 3500, '16-06-11');
CREATE TABLE Title (
WORKER_REF_ID INT,
WORKER_TITLE CHAR(25),
AFFECTED_FROM DATETIME,
FOREIGN KEY (WORKER_REF_ID)
REFERENCES Worker(WORKER_ID)
 ON DELETE CASCADE
);
INSERT INTO Title
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(WORKER_REF_ID, WORKER_TITLE, AFFECTED_FROM) VALUES
(001, 'Manager', '2016-02-20 00:00:00'),
(002, 'Executive', '2016-06-11 00:00:00'),
(008, 'Executive', '2016-06-11 00:00:00'),
(005, 'Manager', '2016-06-11 00:00:00'),
(004, 'Asst. Manager', '2016-06-11 00:00:00'),
(007, 'Executive', '2016-06-11 00:00:00'),
(006, 'Lead', '2016-06-11 00:00:00'),
(003, 'Lead', '2016-06-11 00:00:00');
```

- SELECT FIRST_NAME AS WORKER_NAME

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FROM Worker;
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- SELECT UPPER(FIRST_NAME) AS FIRST_NAME_UPPER

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FROM Worker;
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- SELECT DISTINCT DEPARTMENT

```
FROM Worker;
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- SELECT LEFT(FIRST_NAME, 3) AS FIRST_THREE_CHARS

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FROM Worker;
```

- SELECT DISTINCT DEPARTMENT, LENGTH(DEPARTMENT) AS DEPARTMENT_LENGTH

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FROM Worker;
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- SELECT REPLACE(FIRST_NAME, 'a', 'A') AS FIRST_NAME_REPLACED

```
FROM Worker;
```

- SELECT *

```
FROM Worker
ORDER BY FIRST_NAME ASC;
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- SELECT *

```
FROM Worker
ORDER BY FIRST_NAME ASC, DEPARTMENT DESC;
```

- SELECT *

```
FROM Worker
WHERE FIRST_NAME IN ('Vipul', 'Satish');
```

- SELECT *

FROM Worker

WHERE FIRST_NAME NOT IN ('Vipul', 'Satish');

- SELECT *

FROM Worker

WHERE DEPARTMENT = 'Admin';

- SELECT *

FROM Worker

WHERE FIRST_NAME LIKE '%a%';

- SELECT *

FROM Worker

WHERE FIRST_NAME LIKE '___h';

- SELECT *

FROM Worker

WHERE SALARY BETWEEN 100000 AND 500000;

- SELECT *

FROM Worker

WHERE JOINING_DATE BETWEEN '2014-02-01' AND '2014-02-28 23:59:59';

- SELECT COUNT(*) AS EmployeeCount

FROM Worker

WHERE DEPARTMENT = 'Admin';

- SELECT FIRST_NAME, LAST_NAME, COUNT(*)

FROM Worker

GROUP BY FIRST_NAME, LAST_NAME

HAVING COUNT(*) > 1;