

NAME:- SHUBHAM SAXENA

REG No:- RA1811003010691

SEC:- D2

DATE:- 28/2/2021

DDL WORKSHEET-4

I. Insert the values (50,'ANALYSIS','BANGALORE') into the DEPT table and commit the transaction.



```
SQL Plus
Version 18.4.0.0.0

SQL> create table dept(deptno number(4),dname varchar(20),location varchar(20));
Table created.

SQL> insert into dept values(50,'Analysis','Bangalore');
1 row created.

SQL> insert into dept values(49,'Salary','Chennai');
1 row created.

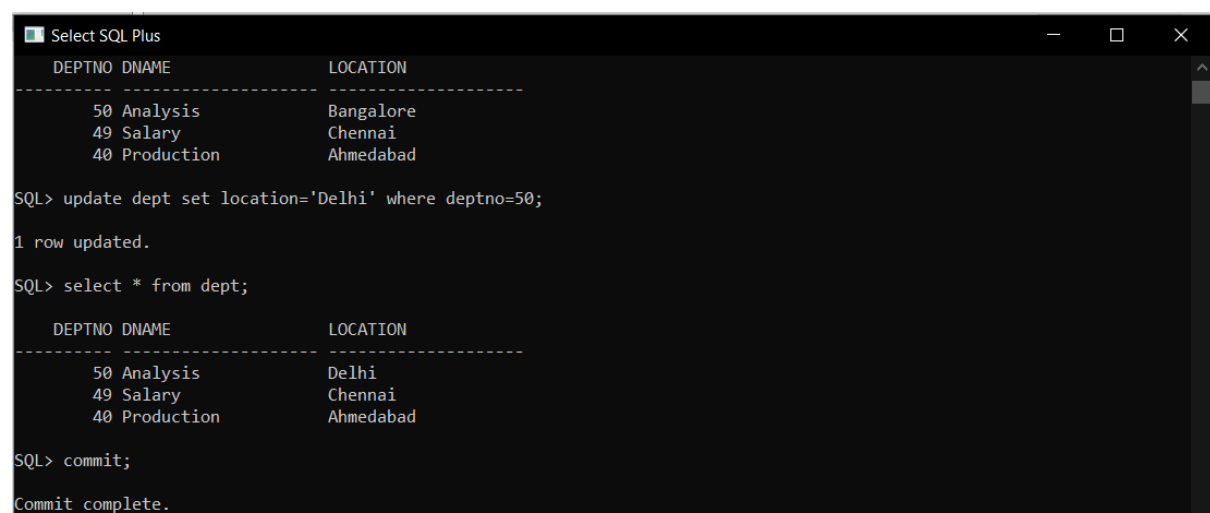
SQL> insert into dept values(40,'Production','Ahmedabad');
1 row created.

SQL> commit;
Commit complete.

SQL> select * from dept;

  DEPTNO DNAME          LOCATION
-----
    50 Analysis         Bangalore
    49 Salary           Chennai
    40 Production       Ahmedabad
```

II. Change LOC='DELHI' for DEPTNO 50 in DEPT table and commit the transaction.



```
Select SQL Plus

  DEPTNO DNAME          LOCATION
-----
    50 Analysis         Bangalore
    49 Salary           Chennai
    40 Production       Ahmedabad

SQL> update dept set location='Delhi' where deptno=50;
1 row updated.

SQL> select * from dept;

  DEPTNO DNAME          LOCATION
-----
    50 Analysis         Delhi
    49 Salary           Chennai
    40 Production       Ahmedabad

SQL> commit;
Commit complete.
```

III. Update location to 'Bangalore' where DEPTNO is 50 and roll back.

```
SQL Plus
SQL> select * from dept;

DEPTNO DNAME          LOCATION
-----
50 Analysis           Bangalore
40 Production         Ahmedabad
49 Salary             Chennai

SQL> roll back s;
Rollback complete.
SQL> select * from dept;

DEPTNO DNAME          LOCATION
-----
50 Analysis           Delhi
40 Production         Ahmedabad
49 Salary             Chennai
```

IV. Do the following one after another:

- (i) Create savepoint in the name S1.
- (ii) Insert the values(60,'TESTING','HYDRABAD') .
- (iii) Rollback to savepoint S1.
- (iv) Commit the changes.

```
SQL Plus
SQL> savepoint s1;
Savepoint created.

SQL> insert into dept values(60,'Testing','Hyderabad');
1 row created.

SQL> select * from dept;

DEPTNO DNAME          LOCATION
-----
50 Analysis           Delhi
49 Salary             Chennai
40 Production         Ahmedabad
60 Testing            Hyderabad

SQL> roll back s1;
Rollback complete.
SQL> commit;
Commit complete.

SQL> select * from dept;

DEPTNO DNAME          LOCATION
-----
50 Analysis           Delhi
49 Salary             Chennai
40 Production         Ahmedabad
```

NAME:- SHUBHAM SAXENA

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DDL WORKSHEET-5

I. Display only those rows whose ENAME begins with 'R' from EMP table.

Statement 28



```
select * from emp where ename like 'R%'
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
1690	Roopu	Manager	90	02-MAR-21	80000	1000	2
1695	Riya	Manager	90	02-MAR-21	50000	1000	6
1698	Ritvick	Intern	-	02-MAR-21	70000	1000	9

[Download CSV](#)
3 rows selected.

II. Display the details of department whose DNAME begins with 'S' and end with 'Y'.

Statement 29






```
select dname from DEPT where dname like 'S%Y'
```

DNAME
SALARY

[Download CSV](#)

III. Display the names of the employees who have joined between 01-Mar-2021 and 02-Mar-2021.

Statement 30



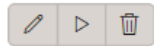
```
SELECT ENAME FROM EMP WHERE HIREDATE BETWEEN '1-MAR-21' AND '2-MAR-21'
```

ENAME
Devangi
Roopu
Shubham
Varun
Eshan
Hemant
Riya
Ajay
Harshal
Ritvick

[Download CSV](#)
10 rows selected.

IV. List different designations in the company.

Statement 31



```
select unique job from emp
```

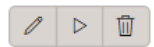
JOB
Intern
Owner
Worker
Manager

[Download CSV](#)

4 rows selected.

V. List the details of all the Employees.

Statement 32



```
select * from emp
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
1689	Devangi	Intern	89	01-MAR-21	70000	1000	1
1690	Roopu	Manager	90	02-MAR-21	80000	1000	2
1691	Shubham	Owner	90	02-MAR-21	85000	1000	3
1692	Varun	Worker	-	02-MAR-21	60000	1000	4
1693	Eshan	Intern	90	02-MAR-21	65000	-	5
1694	Hemant	Worker	91	02-MAR-21	55000	1000	5
1695	Riya	Manager	90	02-MAR-21	50000	1000	6
1696	Ajay	Intern	-	02-MAR-21	45000	1000	7
1697	Harshal	Manager	91	02-MAR-21	40000	1000	8
1698	Ritvick	Intern	-	02-MAR-21	70000	1000	9
1683	Prachi	Worker	83	03-MAR-21	67000	-	4
1682	Kunal	Manager	82	03-MAR-21	73000	-	5
1679	Utkarsh	Intern	-	03-MAR-21	55000	-	9
1710	Shreya	Intern	79	03-MAR-21	75000	-	3

[Download CSV](#)

14 rows selected.

VII. List the names of the employees who are not eligible for commission.

Statement 34



```
select ename from emp where comm is NULL
```

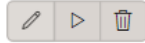
ENAME
Eshan
Prachi
Kunal
Utkarsh
Shreya

[Download CSV](#)

5 rows selected.

VI. Retrieve the rows from the EMP table based on salary in descending order.

Statement 33



```
select * from emp order by sal desc
```

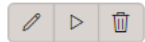
EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
1691	Shubham	Owner	90	02-MAR-21	85000	1000	3
1690	Roopu	Manager	90	02-MAR-21	80000	1000	2
1710	Shreya	Intern	79	03-MAR-21	75000	-	3
1682	Kunal	Manager	82	03-MAR-21	73000	-	5
1698	Ritvick	Intern	-	02-MAR-21	70000	1000	9
1689	Devangi	Intern	89	01-MAR-21	70000	1000	1
1683	Prachi	Worker	83	03-MAR-21	67000	-	4
1693	Eshan	Intern	90	02-MAR-21	65000	-	5
1692	Varun	Worker	-	02-MAR-21	60000	1000	4
1679	Utkarsh	Intern	-	03-MAR-21	55000	-	9
1694	Hemant	Worker	91	02-MAR-21	55000	1000	5
1695	Riya	Manager	90	02-MAR-21	50000	1000	6
1696	Ajay	Intern	-	02-MAR-21	45000	1000	7
1697	Harshal	Manager	91	02-MAR-21	40000	1000	8

[Download CSV](#)

14 rows selected.

VIII. Display names and designation of employee who does not report to anybody.

Statement 35



```
select ename from emp where mgr is NULL
```

ENAME
Varun
Ajay
Ritvick
Utkarsh

[Download CSV](#)

4 rows selected.

IX. List all employees not assigned to any department.

Statement 36

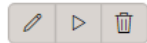


```
select ename from emp where deptno is NULL
```

no data found

X. Display EMPNO,ENAME and SAL from EMP table where the SAL is in the range 55,000 to 85000.

Statement 37



```
select empno,ename,sal from emp where sal between 55000 and 85000
```

EMPNO	ENAME	SAL
1689	Devangi	70000
1690	Roopu	80000
1691	Shubham	85000
1692	Varun	60000
1693	Eshan	65000
1694	Hemant	55000
1698	Ritvik	70000
1683	Prachi	67000
1682	Kunal	73000
1679	Utkarsh	55000
1710	Shreya	75000

[Download CSV](#)

11 rows selected.

XI. List all the columns from the EMP table for which HIREDATE lies in 01-Mar-2021 and 02-Mar-2021.

Statement 39



```
select * from emp where hiredate between '01-Mar-2021' and '02-Mar-2021'
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
1689	Devangi	Intern	89	01-MAR-21	70000	1000	1
1690	Roopu	Manager	90	02-MAR-21	80000	1000	2
1691	Shubham	Owner	90	02-MAR-21	85000	1000	3
1692	Varun	Worker	-	02-MAR-21	60000	1000	4
1693	Eshan	Intern	90	02-MAR-21	65000	-	5
1694	Hemant	Worker	91	02-MAR-21	55000	1000	5
1695	Riya	Manager	90	02-MAR-21	50000	1000	6
1696	Ajay	Intern	-	02-MAR-21	45000	1000	7
1697	Harshal	Manager	91	02-MAR-21	40000	1000	8
1698	Ritvik	Intern	-	02-MAR-21	70000	1000	9

[Download CSV](#)

10 rows selected.

XII. List the Ename whose salary is >=30000 and designation is Manager.

Statement 40



```
select ename from emp where sal>30000 and job='Manager'
```




ENAME
Roopu
Riya
Harshal
Kunal

[Download CSV](#)

4 rows selected.

XIII. Display the employee who is not Manager.

Statement 42


```
select ename from emp where job!='Manager'
```

ENAME
Devangi
Shubham
Varun
Eshan
Hemant
Ajay
Ritvick
Prachi
Utkarsh
Shreya

[Download CSV](#)
10 rows selected.

XIV. List names of employees whose names have 'u' as the 3rd character.

Statement 45




```
select ename from emp where ename like '__u%'
```

ENAME
Shubham

[Download CSV](#)

XV. List Names of the employees who are eligible for commission.

Statement 46

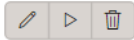
```
select ename from emp where comm is not NULL
```

ENAME
Devangi
Roopu
Shubham
Varun
Hemant
Riya
Ajay
Harshal
Ritvick

[Download CSV](#)
9 rows selected.

XVI. Sort EMP table in descending order by Annual salary and list empno,ename,job and annual salary.

Statement 47



```
select empno,ename,job,sal from emp order by sal desc
```

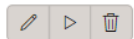
EMPNO	ENAME	JOB	SAL
1691	Shubham	Owner	85000
1690	Roopu	Manager	80000
1710	Shreya	Intern	75000
1682	Kunal	Manager	73000
1698	Ritvick	Intern	70000
1689	Devangi	Intern	70000
1683	Prachi	Worker	67000
1693	Eshan	Intern	65000
1692	Varun	Worker	60000
1679	Utkarsh	Intern	55000
1694	Hemant	Worker	55000
1695	Riya	Manager	50000
1696	Ajay	Intern	45000
1697	Harshal	Manager	40000

[Download CSV](#)

14 rows selected.

XVII. Sort the EMP table in ascending order by DEPTNO and in descending order by salary.

Statement 48



```
select empno,ename,job,sal from emp order by deptno, sal desc
```

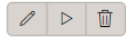
EMPNO	ENAME	JOB	SAL
1689	Devangi	Intern	70000
1690	Roopu	Manager	80000
1691	Shubham	Owner	85000
1710	Shreya	Intern	75000
1683	Prachi	Worker	67000
1692	Varun	Worker	60000
1682	Kunal	Manager	73000
1693	Eshan	Intern	65000
1694	Hemant	Worker	55000
1695	Riya	Manager	50000
1696	Ajay	Intern	45000
1697	Harshal	Manager	40000
1698	Ritvick	Intern	70000
1679	Utkarsh	Intern	55000

[Download CSV](#)

14 rows selected.

XVIII. List Concatenated values of Name and Designation of each employee.

Statement 49



```
select concat(ename,job) as designation from emp
```

DESIGNATION

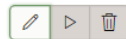
DevangiIntern
RoopuManager
ShubhamOwner
VarunWorker
EshanIntern
HemantWorker
RiyaManager
AjayIntern
HarshalManager
RitvickIntern
PrachiWorker
KunalManager
UtkarshIntern
ShreyalIntern

[Download CSV](#)

14 rows selected.

XIX. List the Employee names and designation whose salary is not in the Range 60,000 to 75,000.

Statement 50



```
select ename from emp where sal not between 60000 and 75000
```

ENAME

Roopu
Shubham
Hemant
Riya
Ajay
Harshal
Utkarsh

[Download CSV](#)

7 rows selected.

XX. Display all the Employee details except 1694 and 1697.

Statement 51



```
select * from emp where empno!=1694 and empno!=1697
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
1689	Devangi	Intern	89	01-MAR-21	70000	1000	1
1690	Roopu	Manager	90	02-MAR-21	80000	1000	2
1691	Shubham	Owner	90	02-MAR-21	85000	1000	3
1692	Varun	Worker	-	02-MAR-21	60000	1000	4
1693	Eshan	Intern	90	02-MAR-21	65000	-	5
1695	Riya	Manager	90	02-MAR-21	50000	1000	6
1696	Ajay	Intern	-	02-MAR-21	45000	1000	7
1698	Ritvick	Intern	-	02-MAR-21	70000	1000	9
1683	Prachi	Worker	83	03-MAR-21	67000	-	4
1682	Kunal	Manager	82	03-MAR-21	73000	-	5
1679	Utkarsh	Intern	-	03-MAR-21	55000	-	9
1710	Shreya	Intern	79	03-MAR-21	75000	-	3

[Download CSV](#)

12 rows selected.