| EXP NO: 01 | Basic SQL Commands |
|---|---|
| DATA: 27/01/2022 | |

**Aim:** To implement basic commands in SQL like insert, modify select etc.

**Description about the problem**:

-Create a table in SQL for patients and add patient details.

-Display the inserted table.

-Select specific rows from the table

-Altering the tables data

-Updating the tables values with arithmetic operations

-Deleting an entry in a table

These are the basic commands that are required to perform

**Queries:**

- ➤ create table g1(empid integer, ename varchar2(30),sal integer,dob date)
- ➤ desc g1
- ➤ insert into g1 values(01,'Ram',20000,'20-march-1982')
- ➤ select empid,ename from g1
- ➤ select empid,ename from g1 where sal >15000
- ➤ update into g1 set gr=(sal+3000)
- ➤ delete from g1 where empid = 2
- ➤ alter table g1 modify ename varchar2(40)

Result:
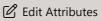Successfully implemented the commands for insert, create, update, delete and alter

My Scripts \ **Script**

Actions ⌄    ✎ Edit Attributes    ▶ Run Script

| | |
|---|---|
| Name | **Session 01** |
| Description | Lab 1 of Database Management systems |
| Area | SQL General |
| Visibility | Publicly Shareable - available via unlisted URL |
| Contributor | RA1911027010007 |
| Share Link | https://livesql.oracle.com/apex/livesql/s/mw0mfi7bev5p0azl0rr37vvyx |
| Tags | #labwork |
| Script Results | We cannot determine the last run date for this script.    What's This? |
| Last Updated | Thursday April 28, 2022 (Created 4 months ago) |
| Metrics | 37 Statements, 1,136 bytes |

**Statement 1**

🗑 Edit

```
create table g1(empid integer, ename varchar2(30),sal integer,dob date)
```

Table created.

**Statement 2**

🗑 Edit

```
desc g1
```

TABLE G1

| Column | Null? | Type |
|---|---|---|
| EMPID | - | NUMBER |
| ENAME | - | VARCHAR2(30) |
| SAL | - | NUMBER |
| DOB | - | DATE |

Download CSV
4 rows selected.

**Statement 3**

🗑 Edit

```
insert into g1 values(01,'Ram',20000,'20-march-1982')
```

```
insert into g1 values(02,'Krishna',15000,'02-Nov-1981')
```

1 row(s) inserted.

Statement **5**

🗑 Edit

```
insert into g1 values(03,'Sam',25000,'10-June-1985')
```

1 row(s) inserted.

Statement **6**

🗑 Edit

```
insert into g1 values(04,'Anu',23000,'10-July-1996')
```

1 row(s) inserted.

Statement **7**

🗑 Edit

```
insert into g1 values(05,'Pranay',16000,'11-Jan-1999')
```

1 row(s) inserted.

Statement **8**

🗑 Edit

```
select * from g1
```

| EMPID | ENAME | SAL | DOB |
|-------|-------|-----|-----|
| 3 | Sam | 25000 | 10-JUN-85 |
| 4 | Anu | 23000 | 10-JUL-96 |
| 5 | Pranay | 16000 | 11-JAN-99 |
| 1 | Ram | 20000 | 20-MAR-82 |
| 2 | Krishna | 15000 | 02-NOV-81 |

Download CSV

5 rows selected.

Statement **9**

🗑 Edit

```
select empid,ename from g1
```

| EMPID | ENAME |
|-------|-------|
| 3 | Sam |
| 4 | Anu |
| 5 | Pranay |
| 1 | Ram |
| 2 | Krishna |

Download CSV

5 rows selected.

Statement **10**

🗑 Edit

```
select empid,ename from g1 where sal >15000
```

| | |
|---|---|
| 4 | Anu |
| 5 | Pranay |
| 1 | Ram |

Download CSV

4 rows selected.

## Statement 11

🗑 Edit

```
select empid,ename from g1 where sal >20000
```

| EMPID | ENAME |
|---|---|
| 3 | Sam |
| 4 | Anu |

Download CSV

2 rows selected.

## Statement 12

🗑 Edit

```
select *
from g1 where sal >15000
```

| EMPID | ENAME | SAL | DOB |
|---|---|---|---|
| 3 | Sam | 25000 | 10-JUN-85 |
| 4 | Anu | 23000 | 10-JUL-96 |
| 5 | Pranay | 16000 | 11-JAN-99 |
| 1 | Ram | 20000 | 20-MAR-82 |

Download CSV

4 rows selected.

## Statement 13

🗑 Edit

```
select *
from g1 where sal >18000
```

| EMPID | ENAME | SAL | DOB |
|---|---|---|---|
| 3 | Sam | 25000 | 10-JUN-85 |
| 4 | Anu | 23000 | 10-JUL-96 |
| 1 | Ram | 20000 | 20-MAR-82 |

Download CSV

3 rows selected.

## Statement 14

🗑 Edit

```
select *
from g1 where sal >18000 and empid = 4
```

| EMPID | ENAME | SAL | DOB |
|---|---|---|---|
| 4 | Anu | 23000 | 10-JUL-96 |

Download CSV

Table altered.

**Statement 16**

Edit

```
desc g1
```

TABLE G1

| Column | Null? | Type |
|--------|-------|------|
| EMPID | - | NUMBER |
| ENAME | - | VARCHAR2(30) |
| SAL | - | NUMBER |
| DOB | - | DATE |
| GR | - | NUMBER |

Download CSV

5 rows selected.

**Statement 17**

Edit

```
select * from g1
```

| EMPID | ENAME | SAL | DOB | GR |
|-------|-------|-----|-----|-----|
| 3 | Sam | 25000 | 10-JUN-85 | - |
| 4 | Anu | 23000 | 10-JUL-96 | - |
| 5 | Pranay | 16000 | 11-JAN-99 | - |
| 1 | Ram | 20000 | 20-MAR-82 | - |
| 2 | Krishna | 15000 | 02-NOV-81 | - |

Download CSV

5 rows selected.

**Statement 18**

Edit

```
update g1 set gp = (sal+3000)
```

ORA-00904: "GP": invalid identifier

**Statement 19**

Edit

```
update g1 set gr = (sal+3000)
```

5 row(s) updated.

**Statement 20**

Edit

```
update into g1 set gr=(sal+3000)
```

ORA-00903: invalid table name

**Statement 21**

Edit

```
select * from g1
```

| EMPID | ENAME | SAL | DOB | GR |
|-------|-------|-----|-----|-----|

| 5 | Pranay | 16000 | 11-JAN-99 | 19000 |
| 1 | Ram | 20000 | 20-MAR-82 | 23000 |
| 2 | Krishna | 15000 | 02-NOV-81 | 18000 |

Download CSV

5 rows selected.

---

**Statement 22**

🗑  Edit

```
update g1 set gr=fr+1000 where ename='krishna'
```

ORA-00904: "FR": invalid identifier

---

**Statement 23**

🗑  Edit

```
update g1 set gr=gr+1000 where ename='krishna'
```

0 row(s) updated.

---

**Statement 24**

🗑  Edit

```
update g1 set gr=gr+1000 where ename='Krishna'
```

1 row(s) updated.

---

**Statement 25**

🗑  Edit

```
select * from g1
```

| EMPID | ENAME | SAL | DOB | GR |
|-------|-------|-----|-----|-----|
| 3 | Sam | 25000 | 10-JUN-85 | 28000 |
| 4 | Anu | 23000 | 10-JUL-96 | 26000 |
| 5 | Pranay | 16000 | 11-JAN-99 | 19000 |
| 1 | Ram | 20000 | 20-MAR-82 | 23000 |
| 2 | Krishna | 15000 | 02-NOV-81 | 19000 |

Download CSV

5 rows selected.

---

**Statement 26**

🗑  Edit

```
delete from g1 where empid = 2
```

1 row(s) deleted.

---

**Statement 27**

🗑  Edit

```
select * from g1
```

| EMPID | ENAME | SAL | DOB | GR |
|-------|-------|-----|-----|-----|
| 3 | Sam | 25000 | 10-JUN-85 | 28000 |
| 4 | Anu | 23000 | 10-JUL-96 | 26000 |
| 5 | Pranay | 16000 | 11-JAN-99 | 19000 |
| 1 | Ram | 20000 | 20-MAR-82 | 23000 |

**Statement 28**

🗑 Edit

```
drop
```

ORA-00950: invalid DROP option

**Statement 29**

🗑 Edit

```
alter table g1 drop column gp
```

ORA-00904: "GP": invalid identifier

**Statement 30**

🗑 Edit

```
alter table g1 drop column gr
```

Table altered.

**Statement 31**

🗑 Edit

```
desc g1
```

TABLE G1

| Column | Null? | Type |
|--------|-------|------|
| EMPID | - | NUMBER |
| ENAME | - | VARCHAR2(30) |
| SAL | - | NUMBER |
| DOB | - | DATE |

Download CSV

4 rows selected.

**Statement 32**

🗑 Edit

```
alter table g1 modify ename varchar2(40)
```

Table altered.

**Statement 33**

🗑 Edit

```
desc g1
```

TABLE G1

| Column | Null? | Type |
|--------|-------|------|
| EMPID | - | NUMBER |
| ENAME | - | VARCHAR2(40) |
| SAL | - | NUMBER |
| DOB | - | DATE |

Download CSV

4 rows selected.

**Statement 34**

🗑 Edit

```
modify
```

Edit

desc g1

TABLE G1

| Column | Null? | Type |
| --- | --- | --- |
| EMPID | - | NUMBER |
| ENAME | - | VARCHAR2(40) |
| SAL | - | NUMBER |
| DOB | - | DATE |

Download CSV

4 rows selected.

---

Statement **36**

Edit

```
alter table g1 modify ename varchar2(50)
```

Table altered.

---

Statement **37**

Edit

```
select * from g1
```

| EMPID | ENAME | SAL | DOB |
| --- | --- | --- | --- |
| 3 | Sam | 25000 | 10-JUN-85 |
| 4 | Anu | 23000 | 10-JUL-96 |
| 5 | Pranay | 16000 | 11-JAN-99 |
| 1 | Ram | 20000 | 20-MAR-82 |

Download CSV

4 rows selected.

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▶ Script Update Details