EXP NO: 06	Modification and deletion of table values
DATA: 10/03/2022	

Aim: To implement commands to create and find data from the table for the below quires where modification and deletions are performed.

Description about the problem:

- Update the view empv10 by increasing 10% salary of the employees who work as 'CLERK'. Also confirm the modifications in emp table.
- Modify the view empv10 which contains the data empno, ename, job, sal. Add an alias for each column name.
- Using emp table, create a view pay which contains ename, monthly_sal, annual_sal, deptno.
- Create a view dept_stat which contains department no., department name, minimum salary, maximum salary, total salary.
- Execute the following query and then try to delete the row with dept no 20. Now write in words that you understand

Queries:

- create table employ(empno int primary key , ename varchar(25),job varchar(25),salary int, depno int)
- insert into employ values(1,'Avinash','Doctor',3000000,10)
- create table dept(dno int PRIMARY KEY ,dname varchar(25),min_sal int,max_sal int)
- insert into dept values(1,'A',10000,100000)
- select * from emp where job='Doctor'
- create view emp20 as
  select *
  from employ
- update emp10
  where job='Clerk'
  set salary=salary+(0.1*salary)
- select * from emp10 where job='teacher'

- ➤ create or replace view emp10 as
  select empno as eno,ename as en,job as j,salary as sal
  from employ
- ➤ alter view emp10
  add monthly_sal
- ➤ create view dept_stat as
  select dno as department_no, dname as department_name,
  min_sal as minimum_salary, max_sal as maximun_salary
  from dept

Result:

Successfully implemented commands to create and find data from the table for the below quires where modification and deletions are performed.

My Scripts \ **Script**

ⓘ

Actions ⌄   ✎ Edit Attributes   ▶ **Run Script**

Name	**Session 06**
Description	DBMS Lab 6
Area	-
Visibility	Publicly Shareable - available via unlisted URL
Contributor	RA1911027010007
Share Link	https://livesql.oracle.com/apex/livesql/s/m6p94af8s9r0crtbens5j9lri
Tags	-
Script Results	Your script results are current. What's This?
Last Updated	Friday April 22, 2022 (Created 6 weeks ago)
Metrics	▶ 4 Executions, 51 Statements, 2,554 bytes

Statement **1**

🗑 Edit

```
create table employ(empno int primary key , ename varchar(25),job varchar(25),salary int
◀                                                                                      ▶
```

Table created.

Statement **2**

🗑 Edit

```
insert into employ values(1,'Avinash','Doctor',3000000,10)
```

1 row(s) inserted.

Statement **3**

🗑 Edit

```
insert into employ values(2,'Karthik','Judge',2500000,8)
```

1 row(s) inserted.

Statement **4**

🗑 Edit

```
insert into employ values(3,'Madhu','Actor',3000000,13)
```

```
insert into employ values(4,'Sandy','Clerk',250000,9)
```

1 row(s) inserted.

Statement 6

```
insert into employ values(5,'Nakiri','Cook',500000,18)
```

1 row(s) inserted.

Statement 7

```
insert into employ values(6,'Hari','HR',1500000,20)
```

1 row(s) inserted.

Statement 8

```
insert into employ values(7,'Mahesh','Accountant',600000,22)
```

1 row(s) inserted.

Statement 9

```
insert into employ values(8,'Supriya','Teacher',1000000,15)
```

1 row(s) inserted.

Statement 10

```
insert into employ values(9,'Nani','Police',800000,11)
```

1 row(s) inserted.

Statement 11

```
insert into employ values(10,'Sameer','Manager',1100000,4)
```

1 row(s) inserted.

Statement 12

```
create table dept(dno int PRIMARY KEY ,dname varchar(25),min_sal int,max_sal int)
```

Table created.

Statement 13

```
insert into dept values(1,'A',10000,100000)
```

1 row(s) inserted.

```
insert into dept values(2,'B',100000,500000)
```

Statement 15

Edit

```
insert into dept values(3,'C',50000,250000)
```

1 row(s) inserted.

Statement 16

Edit

```
insert into dept values(4,'D',200000,700000)
```

1 row(s) inserted.

Statement 17

Edit

```
insert into dept values(5,'E',500000,1000000)
```

1 row(s) inserted.

Statement 18

Edit

```
insert into dept values(6,'F',100000,600000)
```

1 row(s) inserted.

Statement 19

Edit

```
insert into dept values(7,'G',700000,1400000)
```

1 row(s) inserted.

Statement 20

Edit

```
insert into dept values(8,'H',100000,350000)
```

1 row(s) inserted.

Statement 21

Edit

```
insert into dept values(9,'I',50000,200000)
```

1 row(s) inserted.

Statement 22

Edit

```
insert into dept values(10,'J',500000,700000)
```

1 row(s) inserted.

Statement 23

Edit

```
select * from emp where job='Doctor'
```

EMPNO	ENAME	JOB	SALARY	DEPNO

Statement 24

```
select * from employ where job='Doctor'
```

EMPNO	ENAME	JOB	SALARY	DEPNO
1	Avinash	Doctor	3000000	10

Download CSV

Statement 25

```
create view emp20 as
select *
from empoly
```

ORA-00942: table or view does not exist

Statement 26

```
create view emp10 as
select *
from employ
```

View created.

Statement 27

```
select * from emp10
```

EMPNO	ENAME	JOB	SALARY	DEPNO
4	Sandy	Clerk	250000	9
5	Nakiri	Cook	500000	18
6	Hari	HR	1500000	20
7	Mahesh	Accountant	600000	22
8	Supriya	Teacher	1000000	15
9	Nani	Police	800000	11
10	Sameer	Manager	1100000	4
1	Avinash	Doctor	3000000	10
2	Karthik	Judge	2500000	8
3	Madhu	Actor	3000000	13

Download CSV
10 rows selected.

Statement 28

```
select * from employ where job='Cook'
```

EMPNO	ENAME	JOB	SALARY	DEPNO
5	Nakiri	Cook	500000	18

```
update emp10
where job='Clerk'
set salary=salary+(0.1*salary)
```

ORA-00971: missing SET keyword

Statement **30**

```
update emp10
set salary=salary+(0.1*salary)
```

10 row(s) updated.

Statement **31**

```
where job='Cook'
```

Invalid statement

Statement **32**

```
update emp10
set salary=salary+(10*salary)
```

10 row(s) updated.

Statement **33**

```
select * from emp10 where job='Clerk'
```

EMPNO	ENAME	JOB	SALARY	DEPNO
4	Sandy	Clerk	3025000	9

Download CSV

Statement **34**

```
select * from emp where job='teacher'
```

no data found

Statement **35**

```
select * from emp10 where job='teacher'
```

no data found

Statement **36**

```
create or replace view emp10 as
select empno as eno,ename as en,job as j,salary as sal)
from employ
```

```
create or replace view emp10 as
select empno as eno,ename as en,job as j,salary as sal
from employ
```

View created.

Statement 38

```
select * from emp10
```

ENO	EN	J	SAL
4	Sandy	Clerk	3025000
5	Nakiri	Cook	6050000
6	Hari	HR	18150000
7	Mahesh	Accountant	7260000
8	Supriya	Teacher	12100000
9	Nani	Police	9680000
10	Sameer	Manager	13310000
1	Avinash	Doctor	36300000
2	Karthik	Judge	30250000
3	Madhu	Actor	36300000

Download CSV

10 rows selected.

Statement 39

```
alter view emp10
add monthly_sal
```

ORA-00922: missing or invalid option

Statement 40

```
alter table emp
add monthly_sal int
```

Table altered.

Statement 41

```
update emp
set monthly_sal=salary/12
```

5 row(s) updated.

Statement 42

```
select * from emp10
```

5	Nakiri	Cook	6050000
6	Hari	HR	18150000
7	Mahesh	Accountant	7260000
8	Supriya	Teacher	12100000
9	Nani	Police	9680000
10	Sameer	Manager	13310000
1	Avinash	Doctor	36300000
2	Karthik	Judge	30250000
3	Madhu	Actor	36300000

Download CSV
10 rows selected.

Statement **43**

🗑 Edit

```
alter table emp
add monthly_sal int
```

ORA-01430: column being added already exists in table

Statement **44**

🗑 Edit

```
select * from emp10
```

ENO	EN	J	SAL
4	Sandy	Clerk	3025000
5	Nakiri	Cook	6050000
6	Hari	HR	18150000
7	Mahesh	Accountant	7260000
8	Supriya	Teacher	12100000
9	Nani	Police	9680000
10	Sameer	Manager	13310000
1	Avinash	Doctor	36300000
2	Karthik	Judge	30250000
3	Madhu	Actor	36300000

Download CSV
10 rows selected.

Statement **45**

🗑 Edit

```
select * from emp
```

EMPNO	ENAME	JOB	SALARY	DEPNO	MONTHLY_SAL
1	A	Doctor	2000000	5	166667
4	D	Driver	400000	5	33333

| 5 | E | Police | 650000 | 22 | 54167 |

5 rows selected.

Statement 46

🗑 Edit

```
create view dept_stat as
select dno as department_no, dname as department_name, min_sal as minimum_salary, max_s
from dept
```

◀ ▬▬▬▬▬▬▬▬▬▬▬ ▶

View created.

Statement 47

🗑 Edit

```
alter table dept
add total_salary int
```

Table altered.

Statement 48

🗑 Edit

```
update dept
set total_salary=(min_sal+max_sal)/2
```

10 row(s) updated.

Statement 49

🗑 Edit

```
select * from dept
```

DNO	DNAME	MIN_SAL	MAX_SAL	TOTAL_SALARY
3	C	50000	250000	150000
7	G	700000	1400000	1050000
8	H	100000	350000	225000
10	J	500000	700000	600000
4	D	200000	700000	450000
6	F	100000	600000	350000
1	A	10000	100000	55000
5	E	500000	1000000	750000
9	I	50000	200000	125000
2	B	100000	500000	300000

10 rows selected.

Statement 50

🗑 Edit

```
create or replace view dept_stat as
select dno as department_no, dname as department_name, min_sal as minimum_salary, max_s
from dept
```

◀ ▬▬▬▬▬▬▬▬▬▬▬ ▶

Statement **51**

🗑 Edit

```
select * from dept_stat
```

DEPARTMENT_NO	DEPARTMENT_NAME	MINIMUM_SALARY	MAXIMUN_SALARY	TOTAL_SALA
3	C	50000	250000	150000
7	G	700000	1400000	1050000
8	H	100000	350000	225000
10	J	500000	700000	600000
4	D	200000	700000	450000
6	F	100000	600000	350000
1	A	10000	100000	55000
5	E	500000	1000000	750000
9	I	50000	200000	125000
2	B	100000	500000	300000

Download CSV

10 rows selected.

▶ **Script Update Details**