

## DML

Students				Dept	
Roll	name	City	Deptno	Deptno	Name
1	Ajay	Delhi	10	10	CSE
2	Vijay	Kolkata	10	20	ECE
3	Ajay	Mumbai	20	30	Civil
4	Ramesh	Delhi	30	40	Mech
5	Suneeta	Lucknow	40		
6	Anita	Kolkata	30		
7	Raj	Jaipur	30		
8	Ali	Lucknow	40		
9	Michael	Cochin	10		
10	Pavan	Vijaywada	20		
11	Suraj	Hyderabad	10		
12	Altaf	Bangaluru	40		
13	Ravi	Indore	20		
14	Verma	Delhi	20		
15	Sharma	Vizag	10		

- Data manipulation language (DML) statements . which is used to manipulate data itself. For example: insert, update, delete are instructions in SQL

```
cur = conn.cursor()

cur.execute('insert into Dept values(10,"CSE")')

conn.commit()
```

- Using the cursor you have to execute the query . In execute we are saying that insert it into dept values( table ) where deptno is 10 and Name is CSE

- Open cmd `.open univ.db`  
`.tables`  
`select * from dept`  
10|CSE

```
cur.execute('insert into Dept(name,deptno) values("ECE",20)')
```

- You can mention it in any order
- We can insert by taking user input also

```
cur = conn.cursor()

dno = int(input('Enter Deptno'))
dname = input('Enter dname')

cur.execute(f'insert into Dept values({dno},"{dname}")')

conn.commit()
```

Enter Deptno : 40  
Enter dname: Mech

Output

```
sqlite> select * from Dept;
10|CSE
20|ECE
30|Civil
40|Mech
```