

Q1.Create a database called temp_db. Open a cursor to this newly created database.

```
In [1]: import sqlite3
con = sqlite3.connect('temp_db.db')
cur = con.cursor()

In [ ]:
```

Q2.In the database temp_db created in Q.No.1, create a table called emp with the attributes empno, ename, salary and deptno\

```
In [2]: cur.execute('CREATE TABLE IF NOT EXISTS emp(empno INTEGER,ename TEXT, salary INTEGER,deptno INTEGER)')

Out[2]: <sqlite3.Cursor at 0x2d943dab570>

In [ ]:
```

Q3.In the emp table created in Q.No. 2, insert any five records

```
In [3]: def insert(e,n,s,d):
con = sqlite3.connect('temp_db.db')
cur = con.cursor()
cur.execute('INSERT INTO emp values(?,?,?,?)',(e,n,s,d))
con.commit()
con.close()
insert(1,'Rose',15000,10)
insert(2,'Mia Madison',20000,20)
insert(3,'Ashley stonegal',25000,30)
insert(4,'Andrew olesten',30000,40)
insert(5,'Danny',35000,50)

In [4]:
```

Q4.From the emp table, display all the records.

```
In [4]: def display():
cur.execute('SELECT * FROM emp')
record = cur.fetchall()
return record
display()

Out[4]: [(1, 'Rose', 15000, 10),
(2, 'Mia Madison', 20000, 20),
(3, 'Ashley stonegal', 25000, 30),
(4, 'Andrew olesten', 30000, 40),
(5, 'Danny', 35000, 50)]
```

Q5.From the emp table, display the records of only those employees whose salary is greater than 15000 and who belong to deptno 10

```
In [8]: import sqlite3
def display1():
con = sqlite3.connect('temp_db.db')
cur = con.cursor()
cur.execute('SELECT * FROM emp WHERE salary > 15000 and deptno==10')
result = cur.fetchall()
con.commit()
#con.close()
return result

display1()

Out[8]: []
```

Q6.From the emp table, display the records of only those employees whose salary lies between 20000 and 25000 and who do not belong to the deptno 10

```
In [9]: import sqlite3
def display1():
con = sqlite3.connect('temp_db.db')
cur = con.cursor()
cur.execute('SELECT * FROM emp WHERE salary BETWEEN 20000 and 25000 and deptno != 10')
result = cur.fetchall()
con.commit()
con.close()
return result

display1()

Out[9]: [(2, 'Mia Madison', 20000, 20), (3, 'Ashley stonegal', 25000, 30)]
```

Q7.From the emp table, display the records of only those employees whose name begins with M.

```
In [10]: def display2():
con = sqlite3.connect('temp_db.db')
cur = con.cursor()
cur.execute('SELECT * FROM emp WHERE ename LIKE \'M%\' ORDER BY ename')
result = cur.fetchall()
con.commit()
con.close()
return result
display2()

Out[10]: [(2, 'Mia Madison', 20000, 20)]
```

Q8.In the emp table, delete the records of those employees who belong to deptno 30

```
In [11]: def delete():
cur.execute('DELETE FROM emp WHERE deptno==30')

In [13]: delete()

In [14]: display()

Out[14]: [(1, 'Rose', 15000, 10),
(2, 'Mia Madison', 20000, 20),
(4, 'Andrew olesten', 30000, 40),
(5, 'Danny', 35000, 50)]
```

Q9. In the emp table, update the salary of an employee by 10 % by accepting the empno from the user.

```
In [18]: def update(e):
cur.execute('UPDATE emp SET salary=salary+(salary*10/100) WHERE empno=?',(e,))

In [19]: update(5)

In [20]: display()

Out[20]: [(1, 'Rose', 15000, 10),
(2, 'Mia Madison', 20000, 20),
(4, 'Andrew olesten', 30000, 40),
(5, 'Danny', 46585, 50)]
```

Q10.Delete the emp table.

```
In [21]: def delete1():
cur.execute('DELETE FROM emp')
delete1()

In [22]: display()

Out[22]: []

In [ ]:
```