LAB 1

ANUDIT NAGAR – E18CSE024

Question 1 – Employee

Eno	Ename	Dept	Salary	City	PAN	Manager_name
ENO100	ANAME100	Engineering	12000	Hyderabad	PANNO100	MNAME100
ENO101	NAME101	Law	12120	Mumbai	PANNO101	MNAME101
ENO102	NAME102	Engineering	12240	Mumbai	PANNO102	MNAME102
ENO103	NAME103	Law	12360	Hyderabad	PANNO103	MNAME103
ENO104	NAME104	Management	12480	Noida	PANNO104	Jain
ENO105	NAME105	Engineering	12600	Mumbai	PANNO105	MNAME105
ENO106	NAME106	Management	12720	Noida	PANNO106	Jain
ENO107	NAME107	Engineering	12840	Hyderabad	PANNO107	MNAME107
ENO108	NAME108	Engineering	12960	Noida	PANNO108	Jain
ENO109	NAME109	Law	13080	Mumbai	PANNO109	MNAME109

Query 1)

```
SELECT * FROM Student WHERE Year LIKE 3 and Branch LIKE 'CSE';
```

Output 1)

Rno	Name	Branch	Year	Gender	Marks	Age
RNO105	NAME105	CSE	3	0	70	105
RNO106	NAME106	CSE	3	0	70	106
RNO107	NAME107	CSE	3	0	70	107
RNO108	NAME108	CSE	3	0	70	108
RNO109	NAME109	CSE	3	0	70	109

Query 2)

```sql
SELECT COUNT(Eno) AS "Employees under Jain" FROM Employee WHERE Manager_name LIKE 'Jain';
```

Output 2)

Employees under Jain
3

Query 3)

```sql
SELECT * FROM Employee WHERE Ename LIKE 'A%';
```

Output 3)

Eno	Ename	Dept	Salary	City	PAN	Manager_name
ENO100	ANAME100	Engineering	12000	Hyderabad	PANNO100	MNAME100

Question 2 – Student

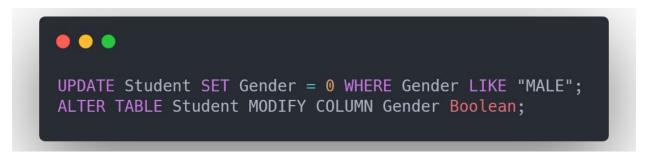| Rno	Name	Branch	Year	Gender	Marks	Age
RNO100	NAME100	CSE	1	MALE	70	100
RNO101	NAME101	CSE	1	MALE	70	101
RNO102	NAME102	CSE	1	MALE	70	102
RNO103	NAME103	CSE	1	MALE	70	103
RNO104	NAME104	CSE	1	MALE	70	104
RNO105	NAME105	CSE	3	FEMALE	70	105
RNO106	NAME106	CSE	3	FEMALE	70	106
RNO107	NAME107	CSE	3	FEMALE	70	107
RNO108	NAME108	CSE	3	FEMALE	70	108
RNO109	NAME109	CSE	3	FEMALE	70	109

Query 1)

```
SELECT * FROM Student WHERE Year LIKE 3 and Branch LIKE 'CSE';
```

Output 1)

Rno	Name	Branch	Year	Gender	Marks	Age
RNO105	NAME105	CSE	3	FEMALE	70	105
RNO106	NAME106	CSE	3	FEMALE	70	106
RNO107	NAME107	CSE	3	FEMALE	70	107
RNO108	NAME108	CSE	3	FEMALE	70	108
RNO109	NAME109	CSE	3	FEMALE	70	109

Query 2)

```
UPDATE Student SET Gender = 0 WHERE Gender LIKE "MALE";
ALTER TABLE Student MODIFY COLUMN Gender Boolean;
```

Output 2)

Rno	Name	Branch	Year	Gender	Marks	Age
RNO100	NAME100	CSE	1	0	70	100
RNO101	NAME101	CSE	1	0	70	101
RNO102	NAME102	CSE	1	0	70	102
RNO103	NAME103	CSE	1	0	70	103
RNO104	NAME104	CSE	1	0	70	104
RNO105	NAME105	CSE	3	1	70	105
RNO106	NAME106	CSE	3	1	70	106
RNO107	NAME107	CSE	3	1	70	107
RNO108	NAME108	CSE	3	1	70	108
RNO109	NAME109	CSE	3	1	70	109

Question 3 – Book

Bno	Title	Author	Price
BNO105	TITL105	C105	245
BNO106	TITL106	C106	245
BNO107	TITL107	C107	245
BNO108	TITL108	C108	252
BNO109	TITL109	C109	252
BNO100	DTIT100	A100	231
BNO101	DTIT101	A101	231
BNO102	DTIT102	A102	238
BNO103	DTIT103	A103	238
BNO104	DTIT104	A104	238

Query 1)

```sql
SELECT * FROM Book WHERE Title LIKE 'D%';
```

Output 1)

Bno	Title	Author	Price
BNO100	DTIT100	A100	231
BNO101	DTIT101	A101	231
BNO102	DTIT102	A102	238
BNO103	DTIT103	A103	238
BNO104	DTIT104	A104	238

Query 2)

```sql
DELETE FROM Book WHERE Author LIKE 'A%';
```

Output 2)

Bno	Title	Author	Price
BNO105	TITL105	C105	245
BNO106	TITL106	C106	245
BNO107	TITL107	C107	245
BNO108	TITL108	C108	252
BNO109	TITL109	C109	252