

## ASSIGNMENT – 3

### Question (A)

Develop DDL to implement the above schema specifying appropriate data types for each attribute and enforcing primary key, check constraints and foreign key constraint.

#### Dept Table

```
mysql> Create table Dept(Deptno varchar(5),Name varchar(30));
Query OK, 0 rows affected (0.04 sec)
```

```
mysql> Alter table Dept add primary key(Deptno);
Query OK, 0 rows affected (0.10 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> Alter table Dept add constraint cpk check(Deptno like 'd%');
Query OK, 0 rows affected (0.01 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> desc Dept;
```

Field	Type	Null	Key	Default	Extra
Deptno	varchar(5)	NO	PRI	NULL	
Name	varchar(30)	YES		NULL	

```
2 rows in set (0.01 sec)
```

#### Staff Table

```
mysql> Create table Staff(Staffno int(20),Name varchar(30),Dob date,
Gender char(2),Doj date,Designation varchar(30),Basic_pay int(6),Dep
t varchar(5));
```

```
mysql> Alter table Staff add primary key(Staffno);
Query OK, 0 rows affected (0.09 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> Alter table Staff add foreign key(Deptno) references Dept
(Deptno);
Query OK, 0 rows affected (0.07 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> Alter table Staff add constraint chk check(Gender IN ('M','F'));
Query OK, 0 rows affected (0.01 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> desc Staff;
```

Field	Type	Null	Key	Default	Extra
Staffno	int(20)	NO	PRI	NULL	
Name	varchar(30)	YES		NULL	
Dob	date	YES		NULL	
Gender	char(2)	YES		NULL	
Doj	date	YES		NULL	
Designation	varchar(30)	YES		NULL	
Basic_pay	int(6)	YES		NULL	
Deptno	varchar(5)	YES		NULL	

8 rows in set (0.00 sec)

### Skill Table

```
mysql> Create table Skill(Skill_code varchar(5),Description varchar(30),
Charge_Outrate int(3));
```

Query OK, 0 rows affected (0.03 sec)

```
mysql> Alter table Skill add primary key(Skill_code);
```

Query OK, 0 rows affected (0.04 sec)

Records: 0 Duplicates: 0 Warnings: 0

```
mysql> Alter table Skill add constraint cpk4 check(Skill_Code like 'S%');
```

Query OK, 0 rows affected (0.01 sec)

Records: 0 Duplicates: 0 Warnings: 0

```
mysql> desc Skill;
```

Field	Type	Null	Key	Default	Extra
Skill_code	varchar(5)	NO	PRI	NULL	
Description	varchar(30)	YES		NULL	
Charge_Outrate	int(3)	YES		NULL	

3 rows in set (0.00 sec)

### Staff\_Skill Table

```
mysql> create table Staff_Skill(Staffno int(5), Skill_code varchar(5));
```

Query OK, 0 rows affected (0.06 sec)

```
mysql> Alter table Staff_Skill add primary key(Staffno,Skill_code);
```

Query OK, 0 rows affected (0.08 sec)

Records: 0 Duplicates: 0 Warnings: 0

```
mysql> Alter table Staff_Skill add foreign key(Staffno) references Staff(Staffno);
```

Query OK, 0 rows affected (0.09 sec)

Records: 0 Duplicates: 0 Warnings: 0

```
mysql> Alter table Staff_Skill add foreign key(Skill_code) references Skill(Skill_code);
Query OK, 0 rows affected (0.10 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> desc Staff_Skill;
```

Field	Type	Null	Key	Default	Extra
Staffno	int(5)	NO	PRI	NULL	
Skill_code	varchar(5)	NO	PRI	NULL	

2 rows in set (0.00 sec)

## Project Table

```
mysql> Create table Project(Projectno varchar(5),Pname varchar(5)
,Start_Date date,End_Date date, Project_Manager_Staffno int(5));
Query OK, 0 rows affected (0.07 sec)
```

```
mysql> Alter table Project add primary key(Projectno);
Query OK, 0 rows affected (0.09 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> Alter table Project add constraint chk1 check(Pname Like 'P%');
Query OK, 0 rows affected (0.01 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> desc Project;
```

Field	Type	Null	Key	Default	Extra
Projectno	varchar(5)	NO	PRI	NULL	
Pname	varchar(20)	YES		NULL	
Start_Date	date	YES		NULL	
End_Date	date	YES		NULL	
Project_Manager_Staffno	int(5)	YES		NULL	

5 rows in set (0.00 sec)

## Works Table

```
mysql> Create table Works(Staffno int(5),Projectno varchar(5),Date
_Worked_On date,Intime Timestamp default Current_Timestamp,Outtime
Timestamp default Current_Timestamp);
```

```
mysql> Alter table Works add primary key(Staffno,Projectno);
Query OK, 0 rows affected (0.07 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> Alter table Works add foreign key(Staffno) references Sta
ff(Staffno);
Query OK, 0 rows affected (0.12 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> Alter table Works add foreign key(Projectno) references Project(Projectno);
Query OK, 0 rows affected (0.10 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
mysql> desc Works;
```

Field	Type	Null	Key	Default	Extra
Staffno	int(5)	NO	PRI	NULL	
Projectno	varchar(5)	NO	PRI	NULL	
Date_Worked_On	date	YES		NULL	
Intime	timestamp	NO		CURRENT_TIMESTAMP	
Outtime	timestamp	NO		CURRENT_TIMESTAMP	

```
5 rows in set (0.00 sec)
```

## Question (B)

Populate the database with rich data set.

### Dept Table

```
mysql> INSERT INTO DEPT VALUES('D0001','Marketing');
Query OK, 1 row affected (0.00 sec)
```

```
mysql> INSERT INTO DEPT VALUES('D0002','Finance');
Query OK, 1 row affected (0.01 sec)
```

```
mysql> INSERT INTO DEPT VALUES('D0003','HR');
Query OK, 1 row affected (0.00 sec)
```

```
mysql> INSERT INTO DEPT VALUES('D0004','Production');
Query OK, 1 row affected (0.00 sec)
```

```
mysql> INSERT INTO DEPT VALUES('D0005','Research and Development');
Query OK, 1 row affected (0.00 sec)
```

```
mysql> SELECT * FROM Dept;
```

Deptno	Name
D0001	Marketing
D0002	Finance
D0003	HR
D0004	Production
D0005	Research and Development

```
5 rows in set (0.00 sec)
```

## Staff Table

```
mysql> INSERT INTO Staff VALUES(101,'Isha Khare','1990-11-20','F','2022-03-19','Backend Developer',40000,'D0001');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Staff VALUES(102,'Kanika Jain','1988-02-11','F','2024-06-20','Marketing Manager',55000,'D0002');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Staff VALUES(103,'Avinash Sharma','1992-09-07','M','2023-12-16','Team Leader',50000,'D0001');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Staff VALUES(104,'Ishan Khatri','1991-10-31','M','2022-10-09','Accountant',30000,'D0004');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Staff VALUES(105,'Namit Mehta','1994-06-06','M','2023-07-27','R & D Specialist',60000,'D0003');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Staff VALUES(106,'Tina Thakur','1993-03-24','F','2024-09-01','CTO',80000,'D0001');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Staff VALUES(107,'Dhwani Rajput','1996-08-25','F','2022-08-02','CA',95000,'D0004');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Staff VALUES(108,'Rohit Saraf','1997-12-12','M','2023-11-19','Frontend Developer',30000,'D0001');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Staff VALUES(109,'Rakulpreet Singh','1989-01-22','F','2022-01-24','Database Manager',68000,'D0001');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Staff VALUES(110,'Naman Gupta','1994-03-16','M','2023-09-30','HR Manager',70000,'D0005');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO STAFF VALUES(111,'Amit Nandwal','1999-04-16','M','2024-04-16','Python Developer',35000,'D0001');
Query OK, 1 row affected (0.01 sec)
```

```
mysql> SELECT * FROM Staff;
```

Staffno	Name	Dob	Gender	Doj	Designation	Basic_pay	Deptno
101	Isha Khare	1990-11-20	F	2022-03-19	Backend Developer	40000	D0001
102	Kanika Jain	1988-02-11	F	2024-06-20	Marketing Manager	55000	D0002
103	Avinash Sharma	1992-09-07	M	2023-12-16	Team Leader	50000	D0001
104	Ishan Khatri	1991-10-31	M	2022-10-09	Accountant	30000	D0004
105	Namit Mehta	1994-06-06	M	2023-07-27	R & D Specialist	60000	D0003
106	Tina Thakur	1993-03-24	F	2024-09-01	CTO	80000	D0001
107	Dhwani Rajput	1996-08-25	F	2022-08-02	CA	95000	D0004
108	Rohit Saraf	1997-12-12	M	2023-11-19	Frontend Developer	30000	D0001
109	Rakulpreet Singh	1989-01-22	F	2022-01-24	Database Manager	68000	D0001
110	Naman Gupta	1994-03-16	M	2023-09-30	HR Manager	70000	D0005
111	Amit Nandwal	1999-04-16	M	2024-04-16	Python Developer	35000	D0001

```
11 rows in set (0.00 sec)
```

## Skill Table

```
mysql> INSERT INTO SKILL VALUES('S0001','Communication',65);
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO SKILL VALUES('S0002','Python',65);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO SKILL VALUES('S0003','Frontend Developer',70);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO SKILL VALUES('S0004','Full Stack',90);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO SKILL VALUES('S0005','Team Manager',75);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO SKILL VALUES('S0006','Critical Thinking',60);
Query OK, 1 row affected (0.00 sec)
```

```
mysql> INSERT INTO SKILL VALUES('S0007','Organization Skills',65);
Query OK, 1 row affected (0.00 sec)
```

```
mysql> INSERT INTO SKILL VALUES('S0008','Accounting',55);
Query OK, 1 row affected (0.00 sec)
```

```
mysql> INSERT INTO SKILL VALUES('S0009','Digital Marketing',60);
Query OK, 1 row affected (0.00 sec)
```

```
mysql> INSERT INTO SKILL VALUES('S0010','Data Analytics',85);
Query OK, 1 row affected (0.00 sec)
```

```
mysql> INSERT INTO SKILL VALUES('S0011','DBMS',70);
Query OK, 1 row affected (0.00 sec)
```

```
mysql> SELECT * FROM Skill;
```

Skill_code	Description	Charge_Outrate
S0001	Communication	65
S0002	Python	65
S0003	Frontend Developer	70
S0004	Full Stack	90
S0005	Team Manager	75
S0006	Critical Thinking	60
S0007	Organization Skills	65
S0008	Accounting	55
S0009	Digital Marketing	60
S0010	Data Analytics	85
S0011	DBMS	70

```
11 rows in set (0.00 sec)
```

### Staff\_Skill Table

```
mysql> INSERT INTO Staff_Skill VALUES(101,'S0001');
Query OK, 1 row affected (0.01 sec)
```

```
mysql> INSERT INTO Staff_Skill VALUES(101,'S0004');
Query OK, 1 row affected (0.00 sec)
```

```
mysql> INSERT INTO Staff_Skill VALUES(101,'S0010');
Query OK, 1 row affected (0.00 sec)
```

```
mysql> INSERT INTO Staff_Skill VALUES(101,'S0011');
Query OK, 1 row affected (0.00 sec)
```

```
mysql> INSERT INTO Staff_Skill VALUES(102,'S0005');
Query OK, 1 row affected (0.00 sec)
```

```
mysql> INSERT INTO Staff_Skill VALUES(102,'S0009');
Query OK, 1 row affected (0.00 sec)
```

```
mysql> INSERT INTO Staff_Skill VALUES(103,'S0005');
Query OK, 1 row affected (0.00 sec)
```

```
mysql> INSERT INTO Staff_Skill VALUES(103,'S0007');
Query OK, 1 row affected (0.00 sec)
```

```
mysql> INSERT INTO Staff_Skill VALUES(104,'S0008');
Query OK, 1 row affected (0.00 sec)
```

```
mysql> INSERT INTO Staff_Skill VALUES(105,'S0010');
Query OK, 1 row affected (0.00 sec)
```

```
mysql> INSERT INTO Staff_Skill VALUES(105,'S0006');
Query OK, 1 row affected (0.00 sec)
```

```
mysql> INSERT INTO Staff_Skill VALUES(106,'S0002');
Query OK, 1 row affected (0.00 sec)
```

```
mysql> INSERT INTO Staff_Skill VALUES(106,'S0004');
Query OK, 1 row affected (0.00 sec)
```

```
mysql> INSERT INTO Staff_Skill VALUES(106,'S0005');
Query OK, 1 row affected (0.00 sec)
```

```
mysql> INSERT INTO Staff_Skill VALUES(106,'S0011');
Query OK, 1 row affected (0.00 sec)
```

```
mysql> INSERT INTO Staff_Skill VALUES(107,'S0001');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Staff_Skill VALUES(107,'S0006');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Staff_Skill VALUES(107,'S0008');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Staff_Skill VALUES(108,'S0003');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Staff_Skill VALUES(109,'S0006');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Staff_Skill VALUES(109,'S0007');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Staff_Skill VALUES(109,'S0011');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Staff_Skill VALUES(110,'S0001');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Staff_Skill VALUES(110,'S0005');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Staff_Skill VALUES(110,'S0006');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Staff_Skill VALUES(111,'S0001');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Staff_Skill VALUES(111,'S0002');
Query OK, 1 row affected (0.00 sec)
```

```
mysql> SELECT * FROM Staff_Skill;
```

Staffno	Skill_code
101	S0001
107	S0001
110	S0001
111	S0001
106	S0002
111	S0002
108	S0003
101	S0004
106	S0004
102	S0005
103	S0005
106	S0005
110	S0005
105	S0006
107	S0006
109	S0006
110	S0006
103	S0007
109	S0007
104	S0008
107	S0008
102	S0009
101	S0010
105	S0010
101	S0011
106	S0011
109	S0011

```
27 rows in set (0.00 sec)
```



## Project Table

```
mysql> INSERT INTO Project VALUES('P0001','Foodie Finder','2023-01-10','2023-04-10',101);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Project VALUES('P0002','Smart Style','2024-01-01','2024-04-10',104);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Project VALUES('P0003','Fashion Tech','2024-02-09','2024-12-10',102);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Project VALUES('P0004','Gadget Gear','2023-06-02','2024-01-18',105);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Project VALUES('P0005','Picture Perfect','2023-12-12','2024-05-20',110);
Query OK, 1 row affected (0.00 sec)

mysql> SELECT * FROM Project;
```

Projectno	Pname	Start_Date	End_Date	Project_Manager_Staffno
P0001	Foodie Finder	2023-01-10	2023-04-10	101
P0002	Smart Style	2024-01-01	2024-04-10	104
P0003	Fashion Tech	2024-02-09	2024-12-10	102
P0004	Gadget Gear	2023-06-02	2024-01-18	105
P0005	Picture Perfect	2023-12-12	2024-05-20	110

```
5 rows in set (0.00 sec)
```

## Works Table

```
mysql> INSERT INTO Works VALUES(101,'P0001','2023-01-20','2023-01-20 09:00:00','2023-01-20 17:00:00');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Works VALUES(103,'P0002','2024-02-02','2024-02-02 09:15:00','2024-02-02 5:30:00');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Works VALUES(102,'P0003','2024-03-15','2024-03-15 09:00:00','2024-03-15 4:30:00');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Works VALUES(105,'P0004','2024-02-09','2024-02-09 09:30:00','2024-02-09 5:00:00');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Works VALUES(104,'P0005','2024-01-10','2024-01-10 09:30:00','2024-01-10 5:30:00');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Works VALUES(106,'P0001','2023-02-02','2023-02-02 09:15:00','2023-02-02 5:30:00');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Works VALUES(107,'P0002','2024-03-20','2024-03-20 09:30:00','2024-03-20 6:30:00');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Works VALUES(108,'P0003','2024-06-25','2024-06-25 10:00:00','2024-06-25 6:00:00');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Works VALUES(109,'P0004','2024-05-26','2024-05-26 10:15:00','2024-05-26 6:30:00');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Works VALUES(110,'P0005','2023-12-18','2023-12-18 09:15:00','2023-12-18 5:30:00');
Query OK, 1 row affected (0.00 sec)
```



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```
mysql> SELECT * FROM Works;
```

Staffno	Projectno	Date_Worked_On	Intime	Outtime
101	P0001	2023-01-20	2023-01-20 09:00:00	2023-01-20 17:00:00
102	P0003	2024-03-15	2024-03-15 09:00:00	2024-03-15 04:30:00
103	P0002	2024-02-02	2024-02-02 09:15:00	2024-02-02 05:30:00
104	P0005	2024-01-10	2024-01-10 09:30:00	2024-01-10 05:30:00
105	P0004	2024-02-09	2024-02-09 09:30:00	2024-02-09 05:00:00
106	P0001	2023-02-02	2023-02-02 09:15:00	2023-02-02 05:30:00
107	P0002	2024-03-20	2024-03-20 09:30:00	2024-03-20 06:30:00
108	P0003	2024-06-25	2024-06-25 10:00:00	2024-06-25 06:00:00
109	P0004	2024-05-26	2024-05-26 10:15:00	2024-05-26 06:30:00
110	P0005	2023-12-18	2023-12-18 09:15:00	2023-12-18 05:30:00

```
10 rows in set (0.00 sec)
```

#### Question (C)

Develop a SQL query to list the departmentno and number of staff in each department.

```
mysql> SELECT Deptno, Count(Deptno) AS Number_of_Staff FROM STAFF GROUP BY Deptno;
```

Deptno	Number_of_Staff
D0001	6
D0002	1
D0003	1
D0004	2
D0005	1

```
5 rows in set (0.00 sec)
```

#### Question (D)

Develop a SQL query to list the details of staff who earn the AVG basic pay of all staff.

```
mysql> SELECT * FROM Staff WHERE Basic_pay=(SELECT AVG(Basic_pay) FROM Staff);  
Empty set (0.01 sec)
```

#### Question (E)

Develop a SQL query to list the details of staff who have more than 3 skills.

## ASSIGNMENT - 3

```
mysql> SELECT * FROM Staff WHERE Staffno IN
-> (SELECT Staffno FROM Staff_Skill GROUP BY Staffno HAVING COUNT(Skill_code)>3);
```

Staffno	Name	Dob	Gender	Doj	Designation	Basic_pay	Deptno
101	Isha Khare	1990-11-20	F	2022-03-19	Backend Developer	40000	D0001
106	Tina Thakur	1993-03-24	F	2024-09-01	CTO	80000	D0001

2 rows in set (0.00 sec)

### Question (F)

**Develop a SQL query to list the details of staff who have skills with a charge outrate greater than 60 per hour.**

```
mysql> SELECT * FROM Staff WHERE Staffno IN
-> (SELECT Staffno FROM Staff_Skill WHERE Skill_Code IN
-> (SELECT Skill_Code FROM Skill WHERE Charge_Outrate > 60));
```

Staffno	Name	Dob	Gender	Doj	Designation	Basic_pay	Deptno
101	Isha Khare	1990-11-20	F	2022-03-19	Backend Developer	40000	D0001
102	Kanika Jain	1988-02-11	F	2024-06-20	Marketing Manager	55000	D0002
103	Avinash Sharma	1992-09-07	M	2023-12-16	Team Leader	50000	D0001
105	Namit Mehta	1994-06-06	M	2023-07-27	R & D Specialist	60000	D0003
106	Tina Thakur	1993-03-24	F	2024-09-01	CTO	80000	D0001
107	Dhwani Rajput	1996-08-25	F	2022-08-02	CA	95000	D0004
108	Rohit Saraf	1997-12-12	M	2023-11-19	Frontend Developer	30000	D0001
109	Rakulpreet Singh	1989-01-22	F	2022-01-24	Database Manager	68000	D0001
110	Naman Gupta	1994-03-16	M	2023-09-30	HR Manager	70000	D0005
111	Amit Nandwal	1999-04-16	M	2024-04-16	Python Developer	35000	D0001

10 rows in set (0.00 sec)

### Question (G)

**Create a view that will keep track of the department number, department name, the number of employees in the department and total basic pay expenditure for the department.**

```
mysql> CREATE VIEW StaffCount AS
-> SELECT D.DEPTNO, D.NAME, COUNT(S.STAFFNO) AS
-> STAFF_COUNT, SUM(S.BASIC_PAY) AS DEPT_EXPENSE
-> FROM DEPT D, STAFF S
-> WHERE D.DEPTNO=S.DEPTNO GROUP BY D.DEPTNO, D.NAME;
```

Query OK, 0 rows affected (0.00 sec)

```
mysql> SELECT * FROM StaffCount;
```

DEPTNO	NAME	STAFF_COUNT	DEPT_EXPENSE
D0001	Marketing	6	303000
D0002	Finance	1	55000
D0003	HR	1	60000
D0004	Production	2	125000
D0005	Research and Development	1	70000

5 rows in set (0.01 sec)

### Question (H)

Develop a SQL query to list the details of Depts which has more than 5 staff working in it.

```
mysql> SELECT * FROM DEPT WHERE Deptno IN
-> (SELECT Deptno FROM Staff GROUP BY Deptno HAVING COUNT(Staffno)>5);
```

Deptno	Name
D0001	Marketing

1 row in set (0.00 sec)

### Question (I)

Develop a SQL query to list the details of staff who have more than 3 skills.

```
mysql> SELECT * FROM Staff WHERE Staffno IN
-> (SELECT Staffno FROM Staff_Skill GROUP BY Staffno HAVING COUNT(Skill_code)>3);
```

Staffno	Name	Dob	Gender	Doj	Designation	Basic_pay	Deptno
101	Isha Khare	1990-11-20	F	2022-03-19	Backend Developer	40000	D0001
106	Tina Thakur	1993-03-24	F	2024-09-01	CTO	80000	D0001

2 rows in set (0.00 sec)