

Assignment 2

OUTPUT:-

Microsoft Windows [Version 10.0.26100.4652]

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C:\Program Files\MySQL\MySQL Server 8.0\bin>mysql -h localhost -u root -p

Enter password: ****

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 11

Server version: 8.0.42 MySQL Community Server - GPL

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> create database inventory;

Query OK, 1 row affected (0.04 sec)

mysql> use inventory;

Database changed

mysql> create table product(pid int primary key, pname varchar(30), price float);

Query OK, 0 rows affected (0.08 sec)

```
mysql> create table sales(sid int,pid int,qty int,FOREIGN KEY(pid)REFERENCES product
(pid));
```

Query OK, 0 rows affected (0.08 sec)

```
mysql> create table supplier(splid int,sname varchar(60),address varchar(80));
```

Query OK, 0 rows affected (0.04 sec)

```
mysql> alter table supplier add primary key(splid), add CONSTRAINT chk
CHECK(splid>900);
```

Query OK, 0 rows affected (0.07 sec)

Records: 0 Duplicates: 0 Warnings: 0

```
mysql> desc product;
```

Field	Type	Null	Key	Default	Extra
pid	int	NO	PRI	NULL	
pname	varchar(30)	YES		NULL	
price	float	YES		NULL	

3 rows in set (0.04 sec)

```
mysql> desc sales;
```

Field	Type	Null	Key	Default	Extra
sid	int	YES		NULL	
pid	int	YES	MUL	NULL	
qty	int	YES		NULL	

```
+-----+-----+-----+-----+-----+
```

3 rows in set (0.00 sec)

```
mysql> desc supplier;
```

```
+-----+-----+-----+-----+-----+
```

```
| Field | Type    | Null | Key | Default | Extra |
```

```
+-----+-----+-----+-----+-----+
```

```
| splid | int     | NO   | PRI | NULL    |      |
```

```
| sname | varchar(60) | YES |     | NULL    |      |
```

```
| address | varchar(80) | YES |     | NULL    |      |
```

```
+-----+-----+-----+-----+-----+
```

3 rows in set (0.00 sec)

```
mysql> alter table supplier alter splid set default 5;
```

Query OK, 0 rows affected (0.05 sec)

Records: 0 Duplicates: 0 Warnings: 0

```
mysql> desc supplier;
```

```
+-----+-----+-----+-----+-----+
```

```
| Field | Type    | Null | Key | Default | Extra |
```

```
+-----+-----+-----+-----+-----+
```

```
| splid | int     | NO   | PRI | 5       |      |
```

```
| sname | varchar(60) | YES |     | NULL    |      |
```

```
| address | varchar(80) | YES |     | NULL    |      |
```

```
| email  | varchar(50) | YES |     | NULL    |      |
```

```
+-----+-----+-----+-----+-----+
```

4 rows in set (0.00 sec)

```
mysql> alter table supplier modify column sname varchar(100) not null;
```

Query OK, 0 rows affected (0.10 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc supplier;

Field	Type	Null	Key	Default	Extra
splid	int	NO	PRI	5	
sname	varchar(100)	NO		NULL	
address	varchar(80)	YES		NULL	
email	varchar(50)	YES		NULL	

4 rows in set (0.00 sec)

mysql> alter table supplier add constraint unique_email unique(email);

Query OK, 0 rows affected (0.06 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc supplier;

Field	Type	Null	Key	Default	Extra
splid	int	NO	PRI	5	
sname	varchar(100)	NO		NULL	
address	varchar(80)	YES		NULL	
email	varchar(50)	YES	UNI	NULL	

4 rows in set (0.00 sec)

```
mysql> create user 'rajesh'@localhost identified by 'r123';
```

```
Query OK, 0 rows affected (0.05 sec)
```

```
mysql> grant select on inventory.*TO'rajesh'@localhost;
```

```
Query OK, 0 rows affected (0.04 sec)
```

```
mysql> create user 'mohit'@localhost identified by 'm123';
```

```
Query OK, 0 rows affected (0.05 sec)
```

```
mysql> grant all privileges on inventory.*TO'mohit'@localhost;
```

```
Query OK, 0 rows affected (0.04 sec)
```

USER MOHIT:-

```
C:\Program Files\MySQL\MySQL Server 8.0\bin>mysql -h localhost -u mohit -p
```

```
Enter password: ****
```

```
Welcome to the MySQL monitor. Commands end with ; or \g.
```

```
Your MySQL connection id is 12
```

```
Server version: 8.0.42 MySQL Community Server - GPL
```

```
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```

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owners.
```

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

```
mysql> use inventory;
```

Database changed

```
mysql> desc product;
```

```
+-----+-----+-----+-----+-----+
| Field | Type   | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| pid   | int    | NO   | PRI | NULL    |       |
| pname | varchar(30) | YES |     | NULL    |       |
| price | float  | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+
```

3 rows in set (0.00 sec)

```
mysql> ddesc supplier;
```

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'ddesc supplier' at line 1

```
mysql> desc supplier;
```

```
+-----+-----+-----+-----+-----+
| Field | Type   | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| splid | int    | NO   | PRI | NULL    |       |
| sname | varchar(60) | YES |     | NULL    |       |
| address | varchar(80) | YES |     | NULL    |       |
+-----+-----+-----+-----+-----+
```

3 rows in set (0.00 sec)

```
mysql> alter table supplier add email varchar(50);
```

Query OK, 0 rows affected (0.11 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc supplier;

Field	Type	Null	Key	Default	Extra
splid	int	NO	PRI	NULL	
sname	varchar(60)	YES		NULL	
address	varchar(80)	YES		NULL	
email	varchar(50)	YES		NULL	

4 rows in set (0.00 sec)

USER RAJESH:-

Microsoft Windows [Version 10.0.26100.4652]

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C:\Program Files\MySQL\MySQL Server 8.0\bin>mysql -h localhost -u rajesh -p

Enter password: ****

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 13

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

```
mysql> use inventory;
```

Database changed

```
mysql> desc supplier;
```

```
+-----+-----+-----+-----+-----+
| Field | Type   | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| splid | int    | NO   | PRI | NULL    |      |
| sname | varchar(60) | YES |     | NULL    |      |
| address | varchar(80) | YES |     | NULL    |      |
| email  | varchar(50) | YES |     | NULL    |      |
+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```

```
mysql> alter table supplier rename column supplier to provider;
```

ERROR 1142 (42000): ALTER command denied to user 'rajesh'@'localhost' for table 'supplier'

```
mysql> show grants for 'rajesh'@localhost;
```

```
+-----+
| Grants for rajesh@localhost |
+-----+
| GRANT USAGE ON *.* TO `rajesh`@`localhost` |
| GRANT SELECT ON `inventory`.* TO `rajesh`@`localhost` |
+-----+
2 rows in set (0.00 sec)
```


Assignment 2(b)

```
C:\Program Files\MySQL\MySQL Server 8.0\bin>mysql -h localhost -u root -p
```

```
Enter password: ****
```

```
Welcome to the MySQL monitor.  Commands end with ; or \g.
```

```
Your MySQL connection id is 15
```

```
Server version: 8.0.42 MySQL Community Server - GPL
```

```
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```

```
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owners.
```

```
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
```

```
mysql> use inventory;
```

```
Database changed
```

```
mysql> desc supplier;
```

```
+-----+-----+-----+-----+-----+
| Field | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| splid | int       | NO   | PRI | 5       |      |
| sname | varchar(100) | NO   |     | NULL    |      |
| address | varchar(80) | YES  |     | NULL    |      |
| email | varchar(50) | YES  | UNI | NULL    |      |
+-----+-----+-----+-----+-----+
```

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

```
mysql> insert into supplier(splid,sname) values(956,'INDIA');
```

Query OK, 1 row affected (0.09 sec)

```
mysql> desc supplier;
```

Field	Type	Null	Key	Default	Extra
splid	int	NO	PRI	5	
sname	varchar(100)	NO		NULL	
address	varchar(80)	YES		NULL	
email	varchar(50)	YES	UNI	NULL	

4 rows in set (0.00 sec)

```
mysql> desc sales;
```

Field	Type	Null	Key	Default	Extra
sid	int	YES		NULL	
pid	int	YES	MUL	NULL	
qty	int	YES		NULL	

3 rows in set (0.00 sec)

```
mysql> insert into sales(sid,pid) values (100,458);
```

ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails
(`inventory`.`sales`, CONSTRAINT `sales_ibfk_1` FOREIGN KEY (`pid`) REFERENCES
`product` (`pid`))

```
mysql> desc product;
```

Field	Type	Null	Key	Default	Extra
pid	int	NO	PRI	NULL	
pname	varchar(30)	YES		NULL	
price	float	YES		NULL	

3 rows in set (0.00 sec)

mysql> insert into product(pid) values (104);

Query OK, 1 row affected (0.02 sec)

mysql> insert into sales(sid,pid) values(100,104);

Query OK, 1 row affected (0.01 sec)

mysql> delete from product where pid = 104;

ERROR 1451 (23000): Cannot delete or update a parent row: a foreign key constraint fails (`inventory`.`sales`, CONSTRAINT `sales_ibfk_1` FOREIGN KEY (`pid`) REFERENCES `product` (`pid`))