**Assignment 2(a)**

**DDL commands**:

Microsoft Windows [Version 10.0.22631.4602]

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C:\Program Files\MySQL\MySQL Server 9.3\bin>mysql -h localhost -u root -p

Enter password: \*\*\*\*

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

Your MySQL connection id is 67

Server version: 9.3.0 MySQL Community Server - GPL

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owners.

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

mysql> create database inventory;

Query OK, 1 row affected (0.272 sec)

mysql> use inventory;

Database changed

mysql> create table product(pid int primary key, pname varchar(20),price float);

Query OK, 0 rows affected (0.524 sec)

mysql> create table sale(sid int,pid int,qty int,FOEREIGN KEY(pid)REFERENCES product(pid));

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 'KEY(pid)REFERENCES product(pid))' at line 1

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

Query OK, 0 rows affected (0.783 sec)

mysql> create table supplier(suppid int,sname varchar(30),address varchar(30));

Query OK, 0 rows affected (0.440 sec)

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

Query OK, 0 rows affected (0.719 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc product;

+-------+-------------+------+-----+---------+-------+

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

+-------+-------------+------+-----+---------+-------+

| pid | int | NO | PRI | NULL | |

| pname | varchar(20) | YES | | NULL | |

| price | float | YES | | NULL | |

+-------+-------------+------+-----+---------+-------+

3 rows in set (0.325 sec)

mysql> desc sale;

+-------+------+------+-----+---------+-------+

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

+-------+------+------+-----+---------+-------+

| sid | int | YES | | NULL | |

| pid | int | YES | MUL | NULL | |

| qty | int | YES | | NULL | |

+-------+------+------+-----+---------+-------+

3 rows in set (0.035 sec)

mysql> desc supplier;

+---------+-------------+------+-----+---------+-------+

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

+---------+-------------+------+-----+---------+-------+

| suppid | int | NO | PRI | NULL | |

| sname | varchar(30) | YES | | NULL | |

| address | varchar(30) | YES | | NULL | |

+---------+-------------+------+-----+---------+-------+

3 rows in set (0.024 sec)

mysql> CREATE USER 'rajesh'@'localhost' IDENTIFIED BY 'r1234';

Query OK, 0 rows affected (0.241 sec)

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

Query OK, 0 rows affected (0.234 sec)

mysql> CREATE USER 'mohit'@'localhost' IDENTIFIED BY 'm1234';

Query OK, 0 rows affected (0.224 sec)

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

Query OK, 0 rows affected (0.191 sec)

**USER MOHIT:**

Microsoft Windows [Version 10.0.22631.4602]

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C:\Program Files\MySQL\MySQL Server 9.3\bin>mysql -h localhost -u mohit -p

Enter password: \*\*\*\*\*

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

Your MySQL connection id is 69

Server version: 9.3.0 MySQL Community Server - GPL

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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 product;

+-------+-------------+------+-----+---------+-------+

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

+-------+-------------+------+-----+---------+-------+

| pid | int | NO | PRI | NULL | |

| pname | varchar(20) | YES | | NULL | |

| price | float | YES | | NULL | |

+-------+-------------+------+-----+---------+-------+

3 rows in set (0.214 sec)

mysql> desc supplier;

+---------+-------------+------+-----+---------+-------+

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

+---------+-------------+------+-----+---------+-------+

| suppid | int | NO | PRI | NULL | |

| sname | varchar(30) | YES | | NULL | |

| address | varchar(30) | YES | | NULL | |

+---------+-------------+------+-----+---------+-------+

3 rows in set (0.029 sec)

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

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 '(' at line 1

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

Query OK, 0 rows affected (0.748 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc supplier;

+---------+-------------+------+-----+---------+-------+

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

+---------+-------------+------+-----+---------+-------+

| suppid | int | NO | PRI | NULL | |

| sname | varchar(30) | YES | | NULL | |

| address | varchar(30) | YES | | NULL | |

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

+---------+-------------+------+-----+---------+-------+

4 rows in set (0.030 sec)

**USER RAJESH:**

Microsoft Windows [Version 10.0.22631.4602]

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C:\Program Files\MySQL\MySQL Server 9.3\bin>mysql -h localhost -u rajesh -p

Enter password: \*\*\*\*\*

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

Your MySQL connection id is 70

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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 |

+---------+-------------+------+-----+---------+-------+

| suppid | int | NO | PRI | NULL | |

| sname | varchar(30) | YES | | NULL | |

| address | varchar(30) | YES | | NULL | |

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

+---------+-------------+------+-----+---------+-------+

4 rows in set (0.186 sec)

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 (0.148 sec)