4 DCL and TCL Commands

Create a Table Book with the fields S_No, B_Name, Author, Price, and Publisher. Create a save point for the table book as B . Rollback the table book after inserting four and five rows respectively. Execute the commands Grant & Revoke and finally Commit the table.

```
mysql> create table Book(s_no int,name varchar(100),author varchar(100),price int,publisher varchar(100));
Query OK, 0 rows affected (0.04 sec)

mysql> SAVEPOINT book;
Query OK, 0 rows affected (0.00 sec)

mysql> insert into Book (s_no,name,author,price,publisher) values(1,"kgf","naresh",455,"vishwa"),(2,"bulttle","vishwa",
5,"naresh");
Query OK, 2 rows affected (0.01 sec)
Records: 2  Duplicates: 0  Warnings: 0

mysql> ROLLBACK TO  SAVEPOINT book;
ERROR 1305 (42000): SAVEPOINT book does not exist
mysql> COMMIT;
Query OK, 0 rows affected (0.00 sec)

mysql> desc Book;
+-----------+---------------+------+-----+---------+-------+
| Field     | Type          | Null | Key | Default | Extra |
+-----------+---------------+------+-----+---------+-------+
| s_no      | int           | YES  |     | NULL    |       |
| name      | varchar(100)  | YES  |     | NULL    |       |
| author    | varchar(100)  | YES  |     | NULL    |       |
| price     | int           | YES  |     | NULL    |       |
| publisher | varchar(100)  | YES  |     | NULL    |       |
+-----------+---------------+------+-----+---------+-------+
5 rows in set (0.00 sec)

mysql> select * from Book;
+------+---------+--------+-------+-----------+
| s_no | name    | author | price | publisher |
+------+---------+--------+-------+-----------+
|    1 | kgf     | naresh |   455 | vishwa    |
|    2 | bulttle | vishwa |    45 | naresh    |
+------+---------+--------+-------+-----------+
2 rows in set (0.00 sec)
```

```
Database changed
mysql> CREATE TABLE customers(Customer_ID INT PRIMARY KEY, Name VARCHAR(20), Age INT, Salary INT, Salary_BankAccount VARCHAR(20));
Query OK, 0 rows affected (0.09 sec)

mysql> INSERT INTO customer(Customer_ID, Name, Age, Salary, Salary_BankAccount) VALUES(1, "Aryan Jain", 51, 56000, "SBI"), (2, "Arohi Dixit", 21, 25000, "
"), (3, "Vineet Garg", 24, 31000, "ICICI"), (4, "Anuja Sharma", 26, 49000, "HDFC"), (5, "Deepak Kohli", 28, 65000, "SBI");
ERROR 1054 (42S22): Unknown column 'Customer_ID' in 'field list'
mysql> INSERT INTO customers(Customer_ID, Name, Age, Salary, Salary_BankAccount) VALUES(1, "Aryan Jain", 51, 56000, "SBI"), (2, "Arohi Dixit", 21, 25000,
"), (3, "Vineet Garg", 24, 31000, "ICICI"), (4, "Anuja Sharma", 26, 49000, "HDFC"), (5, "Deepak Kohli", 28, 65000, "SBI");
Query OK, 5 rows affected (0.01 sec)
Records: 5  Duplicates: 0  Warnings: 0

mysql> SELECT *FROM customers;
+-------------+--------------+-----+--------+--------------------+
| Customer_ID | Name         | Age | Salary | Salary_BankAccount |
+-------------+--------------+-----+--------+--------------------+
|           1 | Aryan Jain   |  51 |  56000 | SBI                |
|           2 | Arohi Dixit  |  21 |  25000 | Axis               |
|           3 | Vineet Garg  |  24 |  31000 | ICICI              |
|           4 | Anuja Sharma |  26 |  49000 | HDFC               |
|           5 | Deepak Kohli |  28 |  65000 | SBI                |
+-------------+--------------+-----+--------+--------------------+
5 rows in set (0.00 sec)

mysql> START TRANSACTION;
Query OK, 0 rows affected (0.00 sec)

mysql> SAVEPOINT Insertion;
Query OK, 0 rows affected (0.00 sec)

mysql> DELETE FROM customer WHERE Customer_ID = 5;
ERROR 1054 (42S22): Unknown column 'Customer_ID' in 'where clause'
mysql> DELETE FROM customers WHERE Customer_ID = 5;
Query OK, 1 row affected (0.00 sec)

mysql> ROLLBACK TO Insertion;
Query OK, 0 rows affected (0.01 sec)

mysql> SELECT *FROM customers;
+-------------+--------------+-----+--------+--------------------+
| Customer_ID | Name         | Age | Salary | Salary_BankAccount |
+-------------+--------------+-----+--------+--------------------+
|           1 | Aryan Jain   |  51 |  56000 | SBI                |
|           2 | Arohi Dixit  |  21 |  25000 | Axis               |
|           3 | Vineet Garg  |  24 |  31000 | ICICI              |
|           4 | Anuja Sharma |  26 |  49000 | HDFC               |
|           5 | Deepak Kohli |  28 |  65000 | SBI                |
+-------------+--------------+-----+--------+--------------------+
5 rows in set (0.00 sec)
```