PRACTICAL : 1

AIM : Explore core concepts of DBMS and SQL, and perform operations using various SQL command categories such as DDL, DML, DCL, and TCL.

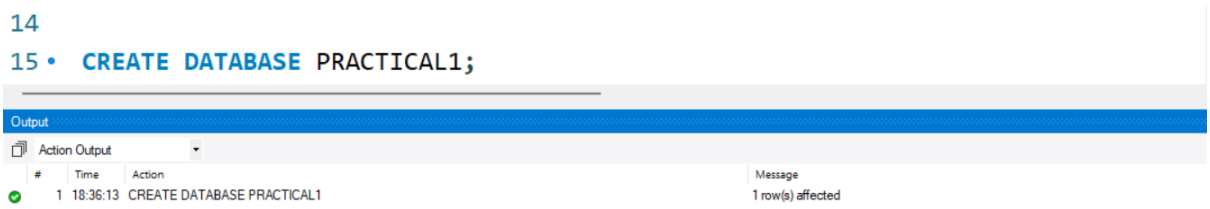
TASK 0 : Understand the Scenario: College Student Record System

NOTE : REPLACE THIS LINE WITH ALL MENTIONED BEFORE TASK 1 & Perform ALL possible Queries & attach Screenshots

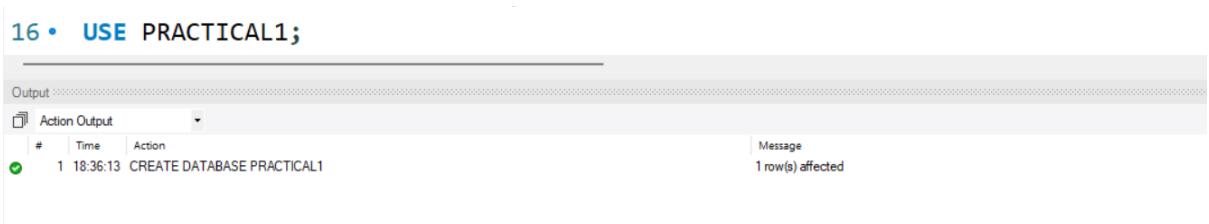
TASK 1

Prerequisite Steps before Task 1

Step 1 : Create a new Database



Step 2 : Select a Database



Create a table ACCOUNT_24012011161

Column name	Data Type	Size
acc_no	varchar2	5
Name	varchar2	30
City	varchar2	20
Balance	Number	10,2
loan_taken	varchar2	5

Query with Output :

```
30  CREATE TABLE ACCOUNT_24012011161 (
31      acc_no VARCHAR(5),
32      Name VARCHAR(30),
33      City VARCHAR(20),
34      Balance DECIMAL(10,2),
35      loan_taken VARCHAR(5)
36  );
37  DESCRIBE ACCOUNT_24012011161;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Field	Type	Null	Key	Default	Extra
acc_no	varchar(5)	YES		NULL	
Name	varchar(30)	YES		NULL	
City	varchar(20)	YES		NULL	
Balance	decimal(10,2)	YES		NULL	
loan_taken	varchar(5)	YES		NULL	

Insert the following records in ACCOUNT_24012011161 table

acc_no	Name	City	Balance	loan_taken
A001	Patel Jigar	Mehsana	50000	YES
A002	Patel Ramesh	Mehsana	50000	YES
A003	Dave Hardik	Ahmedabad	75000	NO
A004	Soni Hetal	Ahmedabad	100000	NO
A005	Sony Atul	Vadodara	100000	YES

Query with Output :

```
62  INSERT INTO ACCOUNT_24012011161 (acc_no,Name,City,Balance,loan_taken) VALUES ("A001","Patel Jigar","Mehsana",50000,"YES");
63  INSERT INTO ACCOUNT_24012011161 (acc_no,Name,City,Balance,loan_taken) VALUES ("A002","Patel Ramesh","Mehsana",50000,"YES");
64  INSERT INTO ACCOUNT_24012011161 (acc_no,Name,City,Balance,loan_taken) VALUES ("A003","Dave Hardik","Ahmedabad",75000,"NO");
65  INSERT INTO ACCOUNT_24012011161 (acc_no,Name,City,Balance,loan_taken) VALUES ("A004","Soni Hetal","Ahmedabad",100000,"NO");
66  INSERT INTO ACCOUNT_24012011161 (acc_no,Name,City,Balance,loan_taken) VALUES ("A005","Sony Atul","Vadodara",100000,"YES");
67  SELECT * FROM ACCOUNT_24012011161;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

acc_no	Name	City	Balance	loan_taken
A001	Patel Jigar	Mehsana	50000.00	YES
A002	Patel Ramesh	Mehsana	50000.00	YES
A003	Dave Hardik	Ahmedabad	75000.00	NO
A004	Soni Hetal	Ahmedabad	100000.00	NO
A005	Sony Atul	Vadodara	100000.00	YES

Create a table LOAN_24012011161

Column Name	Data Type	Size
loan_no	varchar2	5
acc_no	varchar2	5
loan_amt	Number	10,2
interest_rate	Number	5,2
loan_date	Date	
remaining_loan	Number	10,2

Query with Output :

```
38 • CREATE TABLE LOAN_24012011161 (
39       loan_no VARCHAR(5),
40       acc_no VARCHAR(5),
41       loan_amt DECIMAL(10,2),
42       interest_rate DECIMAL(5,2),
43       loan_date DATE,
44       remaining_loan DECIMAL(10,2)
45   );
46 • DESCRIBE LOAN_24012011161;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Field	Type	Null	Key	Default	Extra
loan_no	varchar(5)	YES		NULL	
acc_no	varchar(5)	YES		NULL	
loan_amt	decimal(10,2)	YES		NULL	
interest_rate	decimal(5,2)	YES		NULL	
loan_date	date	YES		NULL	
remaining_loan	decimal(10,2)	YES		NULL	

Insert the following records in LOAN_24012011161 table

Loan_no	Acc_no	Loan_amt	Interest_rate	Loan_date	Remaining_loan
L001	A001	100000	7	1-jan-04	75000
L002	A002	300000	9	18-may-04	150000
L003	A005	500000	11	15-june-04	300000

Query with Output :

```
71 • INSERT INTO LOAN_24012011161 (loan_no,acc_no,loan_amt,interest_rate,loan_date,remaining_loan)
72   VALUES ("L001","A001","100000",7,'2004-01-01',"75000");
73 • INSERT INTO LOAN_24012011161 (loan_no,acc_no,loan_amt,interest_rate,loan_date,remaining_loan)
74   VALUES ("L002","A002","300000",9,'2004-05-18',"150000");
75 • INSERT INTO LOAN_24012011161 (loan_no,acc_no,loan_amt,interest_rate,loan_date,remaining_loan)
76   VALUES ("L003","A003","500000",11,'2004-06-15',"300000");
77 • SELECT * FROM LOAN_24012011161;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

loan_no	acc_no	loan_amt	interest_rate	loan_date	remaining_loan
L001	A001	100000.00	7.00	2004-01-01	75000.00
L002	A002	300000.00	9.00	2004-05-18	150000.00
L003	A003	500000.00	11.00	2004-06-15	300000.00

Create a table INSTALLMENT_24012011161

Column Name	Data Type	Size
loan_no	varchar2	5
inst_no	varchar2	5
inst_Date	Date	
Amount	Number	10,2

Query with Output :

```
47 • CREATE TABLE INSTALLMENT_24012011161 (
48       loan_no VARCHAR(5),
49       inst_no VARCHAR(5),
50       inst_Date DATE,
51       Amount DECIMAL(10,2)
52   );
53 • DESCRIBE INSTALLMENT_24012011161;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Field	Type	Null	Key	Default	Extra
loan_no	varchar(5)	YES		NULL	
inst_no	varchar(5)	YES		NULL	
inst_Date	date	YES		NULL	
Amount	decimal(10,2)	YES		NULL	

Insert the following records in INSTALLMENT_24012011161 table

Loan_no	Inst_no	Inst_Date	Amount
L001	I001	2-Feb-04	15000
L002	I002	18-June-04	20000
L003	I003	15-July-04	20000

Query with Output :

```
79 • INSERT INTO INSTALLMENT_24012011161 (loan_no,inst_no,inst_Date,Amount)
80   VALUES ("L001","I001",'2004-02-02',15000);
81 • INSERT INTO INSTALLMENT_24012011161 (loan_no,inst_no,inst_Date,Amount)
82   VALUES ("L002","I002",'2004-06-18',20000);
83 • INSERT INTO INSTALLMENT_24012011161 (loan_no,inst_no,inst_Date,Amount)
84   VALUES ("L003","I003",'2004-07-15',20000);
85 • SELECT * FROM INSTALLMENT_24012011161;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Field	Type	Null	Key	Default	Extra
loan_no	varchar(5)	YES		NULL	
inst_no	varchar(5)	YES		NULL	
inst_Date	date	YES		NULL	
Amount	decimal(10,2)	YES		NULL	

Answer following Queries based on above 3 tables.

1. **Display all rows and all columns of table Installment.**

```
48 •    SELECT * FROM INSTALLMENT_24012011161;
```

Result Grid | Filter Rows: | Export:

loan_no	inst_no	inst_Date	Amount
L001	I001	2004-02-02	15000.00
L002	I002	2004-06-18	20000.00
L003	I003	2004-07-15	20000.00

2. **Display all rows and selected columns of table Installment.**

```
49 •    SELECT loan_no, inst_no, amount FROM INSTALLMENT_24012011161;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

loan_no	inst_no	amount
L001	I001	15000.00
L002	I002	20000.00
L003	I003	20000.00

3. **Display selected rows and selected columns of table Account.**

```
50 •    SELECT acc_no, name, balance FROM ACCOUNT_24012011161 WHERE city = 'Ahmedabad';
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

acc_no	name	balance
A003	Dave Hardik	75000.00
A004	Soni Hetal	100000.00

4. **Display selected rows and all columns of table loan.**

```
51 •    SELECT * FROM LOAN_24012011161 WHERE interest_rate > 8;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

loan_no	acc_no	loan_amt	interest_rate	loan_date	remaining_loan
L002	A002	300000.00	9.00	2004-05-18	150000.00
L003	A003	500000.00	11.00	2004-06-15	300000.00

5. Show the structure of the table loan, account and installment.

```
52 •  DESCRIBE ACCOUNT_24012011161;
```

Result Grid | Filter Rows: | Export: | Wrap

Field	Type	Null	Key	Default	Extra
acc_no	varchar(5)	YES		NULL	
Name	varchar(30)	YES		NULL	
City	varchar(20)	YES		NULL	
Balance	decimal(10,2)	YES		NULL	
loan_taken	varchar(5)	YES		NULL	

```
53 •  DESCRIBE LOAN_24012011161;
```

Result Grid | Filter Rows: | Export: | Wrap Ce

Field	Type	Null	Key	Default	Extra
loan_no	varchar(5)	YES		NULL	
acc_no	varchar(5)	YES		NULL	
loan_amt	decimal(10,2)	YES		NULL	
interest_rate	decimal(5,2)	YES		NULL	
loan_date	date	YES		NULL	
remaining_loan	decimal(10,2)	YES		NULL	

```
54 •  DESCRIBE INSTALLMENT_24012011161;
```

Result Grid | Filter Rows: | Export: | Wra

Field	Type	Null	Key	Default	Extra
loan_no	varchar(5)	YES		NULL	
inst_no	varchar(5)	YES		NULL	
inst_Date	date	YES		NULL	
Amount	decimal(10,2)	YES		NULL	

6. Change the name ‘Patel Jigar’ to ‘Patel Hiren’ in Account Table.

```
55 •  UPDATE ACCOUNT_24012011161 SET name = 'Patel Hiren' WHERE name = 'Patel Jigar';
56 •  SELECT * FROM ACCOUNT_24012011161;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

acc_no	Name	City	Balance	loan_taken
A001	Patel Hiren	Mehsana	50000.00	YES
A002	Patel Ramesh	Mehsana	50000.00	YES
A003	Dave Hardik	Ahmedabad	75000.00	NO
A004	Soni Hetal	Ahmedabad	100000.00	NO
A005	Sony Atul	Vadodara	100000.00	YES

7. **Change the name and city where account number is A005. (new name = 'Kothari Nehal' and new city = 'Kherva').**

```
57 •  UPDATE ACCOUNT_24012011161 SET name = 'Kothari Nehal', city = 'Kherva' WHERE acc_no = 'A005';
58 •  SELECT * FROM ACCOUNT_24012011161;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

acc_no	Name	City	Balance	loan_taken
A001	Patel Hiren	Mehsana	50000.00	YES
A002	Patel Ramesh	Mehsana	50000.00	YES
A003	Dave Hardik	Ahmedabad	75000.00	NO
A004	Soni Hetal	Ahmedabad	100000.00	NO
A005	Kothari Nehal	Kherva	100000.00	YES

8. **Display only those records where loan taken status is 'YES'.**

```
59 •  SELECT * FROM ACCOUNT_24012011161 WHERE loan_taken = 'YES';
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

acc_no	Name	City	Balance	loan_taken
A001	Patel Hiren	Mehsana	50000.00	YES
A002	Patel Ramesh	Mehsana	50000.00	YES
A005	Kothari Nehal	Kherva	100000.00	YES

9. **Add the new column (address varchar2 (20)) into table ACCOUNT.**

```
60 •  ALTER TABLE ACCOUNT_24012011161 ADD address VARCHAR(20);
61 •  DESCRIBE ACCOUNT_24012011161;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Field	Type	Null	Key	Default	Extra
acc_no	varchar(5)	YES		NULL	
Name	varchar(30)	YES		NULL	
City	varchar(20)	YES		NULL	
Balance	decimal(10,2)	YES		NULL	
loan_taken	varchar(5)	YES		NULL	
address	varchar(20)	YES		NULL	

10. Modify the structure of table LOAN by adding one column credit_no varchar2 (4) (Loan table).

```
62 •  ALTER TABLE LOAN_24012011161 ADD credit_no VARCHAR(4);
63 •  DESCRIBE LOAN_24012011161;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Field	Type	Null	Key	Default	Extra
loan_no	varchar(5)	YES		NULL	
acc_no	varchar(5)	YES		NULL	
loan_amt	decimal(10,2)	YES		NULL	
interest_rate	decimal(5,2)	YES		NULL	
loan_date	date	YES		NULL	
remaining_loan	decimal(10,2)	YES		NULL	
credit_no	varchar(4)	YES		NULL	

11. Create another table ACCOUNT_TEMP having columns (acc_no, name, balance) from table ACCOUNT.

```
64 •  CREATE TABLE ACCOUNT_TEMP AS SELECT acc_no, name, balance FROM ACCOUNT_24012011161;
65 •  SELECT * FROM ACCOUNT_TEMP;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

acc_no	name	balance
A001	Patel Hiren	50000.00
A002	Patel Ramesh	50000.00
A003	Dave Hardik	75000.00
A004	Soni Hetal	100000.00
A005	Kothari Nehal	100000.00

12. Create another table LOAN_TEMP (loan_no, Acc_no, loan_amt, loan_date) from The table LOAN.

```
66 •  CREATE TABLE LOAN_TEMP AS SELECT loan_no, acc_no, loan_amt, loan_date FROM LOAN_24012011161;
67 •  SELECT * FROM LOAN_TEMP;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

loan_no	acc_no	loan_amt	loan_date
L001	A001	100000.00	2004-01-01
L002	A002	300000.00	2004-05-18
L003	A003	500000.00	2004-06-15

13. Create another table TRANS_TEMP by change the column name acc_no to account_no from LOAN_TEMP.

```
68 •  CREATE TABLE TRANS_TEMP AS SELECT acc_no AS account_no, name, city, balance, loan_taken FROM ACCOUNT_24012011161;
69 •  SELECT * FROM TRANS_TEMP;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

account_no	name	city	balance	loan_taken
A001	Patel Hiren	Mehsana	50000.00	YES
A002	Patel Ramesh	Mehsana	50000.00	YES
A003	Dave Hardik	Ahmedabad	75000.00	NO
A004	Soni Hetal	Ahmedabad	100000.00	NO
A005	Kothari Nehal	Kherva	100000.00	YES

14. Increase the size 5 to 7 of column acc_no (Loan table).

```
70 •  ALTER TABLE LOAN_24012011161 MODIFY acc_no VARCHAR(7);
71 •  DESCRIBE LOAN_24012011161;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Field	Type	Null	Key	Default	Extra
loan_no	varchar(5)	YES		NULL	
acc_no	varchar(7)	YES		NULL	
loan_amt	decimal(10,2)	YES		NULL	
interest_rate	decimal(5,2)	YES		NULL	
loan_date	date	YES		NULL	
remaining_loan	decimal(10,2)	YES		NULL	
credit_no	varchar(4)	YES		NULL	

15. Delete the records whose account no is A004.

```
72 •  DELETE FROM ACCOUNT_24012011161 WHERE acc_no = 'A004';
73 •  SELECT * FROM ACCOUNT_24012011161;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content

acc_no	Name	City	Balance	loan_taken	address
A001	Patel Hiren	Mehsana	50000.00	YES	NULL
A002	Patel Ramesh	Mehsana	50000.00	YES	NULL
A003	Dave Hardik	Ahmedabad	75000.00	NO	NULL
A005	Kothari Nehal	Kherva	100000.00	YES	NULL

16. For each loan holders Increase the interest rate by 2% (Loan table).

```
74 •  UPDATE LOAN_24012011161 SET interest_rate = interest_rate + 2;
75 •  SELECT * FROM LOAN_24012011161;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

loan_no	acc_no	loan_amt	interest_rate	loan_date	remaining_loan	credit_no
L001	A001	100000.00	9.00	2004-01-01	75000.00	NULL
L002	A002	300000.00	11.00	2004-05-18	150000.00	NULL
L003	A003	500000.00	13.00	2004-06-15	300000.00	NULL

17.Display only those records where loan holder taken a loan in month of January (Loan table).

```
76 ⊗  SELECT * FROM LOAN_24012011161 WHERE loan_date BETWEEN DATE '2004-01-01' AND DATE '2004-01-31';
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

loan_no	acc_no	loan_amt	interest_rate	loan_date	remaining_loan	credit_no
L001	A001	100000.00	9.00	2004-01-01	75000.00	NULL

18.Change the Inst_Date '2-Feb-21' to '3-Mar-22'.

```
77 ⊗  UPDATE INSTALLMENT_24012011161 SET inst_date = DATE '2022-03-03' WHERE inst_date = DATE '2004-02-02';
78 •  SELECT * FROM INSTALLMENT_24012011161;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

loan_no	inst_no	inst_Date	Amount
L001	I001	2022-03-03	15000.00
L002	I002	2004-06-18	20000.00
L003	I003	2004-07-15	20000.00

19.Display the Loan amount*2 of table LOAN.

```
79 •  SELECT loan_no, loan_amt*2 AS double_amount FROM LOAN_24012011161;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

loan_no	double_amount
L001	200000.00
L002	600000.00
L003	1000000.00

20.Change the loan_amt 100000 to 150000 where loan number is L001. (Loan table).

```
80 •  UPDATE LOAN_24012011161 SET loan_amt = 150000 WHERE loan_no = 'L001' AND loan_amt = 100000;
81 •  SELECT * FROM LOAN_24012011161;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

loan_no	acc_no	loan_amt	interest_rate	loan_date	remaining_loan	credit_no
L001	A001	150000.00	9.00	2004-01-01	75000.00	NULL
L002	A002	300000.00	11.00	2004-05-18	150000.00	NULL
L003	A003	500000.00	13.00	2004-06-15	300000.00	NULL

21.Display loan_no, amount of Installment table by date wise.

```
82 •  SELECT loan_no, amount, inst_date FROM INSTALLMENT_24012011161 ORDER BY inst_date;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

loan_no	amount	inst_date
L002	20000.00	2004-06-18
L003	20000.00	2004-07-15
L001	15000.00	2022-03-03

22.Select all the records of account table in descending order (account number wise).

```
83 •  SELECT * FROM ACCOUNT_24012011161 ORDER BY acc_no DESC;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

acc_no	Name	City	Balance	loan_taken	address
A005	Kothari Nehal	Kherva	100000.00	YES	NULL
A003	Dave Hardik	Ahmedabad	75000.00	NO	NULL
A002	Patel Ramesh	Mehsana	50000.00	YES	NULL
A001	Patel Hiren	Mehsana	50000.00	YES	NULL

23.Delete a table LOAN_TEMP.

```
84 •  DROP TABLE LOAN_TEMP;
85 •  SHOW TABLES;
```

Result Grid | Filter Rows:

Tables_in_practical1
account_24012011161
account_temp
installment_24012011161
loan_24012011161
trans_temp

DIY Task:

- **Create a Relational Database for a Car Manufacturing Company. Think of at least 3 schemas of the same. Write Queries to perform CRUD Operation.**

Create three related tables:

1. Cars_yourENno (store car ID, model name, year, and price)

```sql
CREATE TABLE Cars_24012011161 (
    CarID INT,
    ModelName VARCHAR(50),
    Year INT,
    Price DECIMAL(10,2)
);
```

Output

Action Output

#	Time	Action	Message
1	19:32:50	USE PRACTICAL1	0 row(s) affected
2	19:32:50	CREATE TABLE Cars_24012011161 (CarID INT, ModelName VARCHAR(50), Year INT, Price DECIM...	0 row(s) affected

2. Manufacturers_yourENno (store manufacturer ID, name, and country)

```sql
CREATE TABLE Manufacturers_24012011161 (
    ManufacturerID INT,
    Name VARCHAR(50),
    Country VARCHAR(50)
);
```

Output

Action Output

#	Time	Action	Message
1	19:34:00	USE PRACTICAL1	0 row(s) affected
2	19:34:00	CREATE TABLE Manufacturers_24012011161 (ManufacturerID INT, Name VARCHAR(50), Country VA...	0 row(s) affected

3. Production_yourENno (store production ID, car ID, manufacturer ID, quantity, and production date)

```sql
CREATE TABLE Production_24012011161 (
    ProductionID INT,
    CarID INT,
    ManufacturerID INT,
    Quantity INT,
    ProductionDate DATE
);
```

Output

Action Output

#	Time	Action	Message
1	19:35:09	USE PRACTICAL1	0 row(s) affected
2	19:35:09	CREATE TABLE Production_24012011161 (ProductionID INT, CarID INT, ManufacturerID INT, Quant...	0 row(s) affected

Write Queries to perform CRUD Operation.

1. Insert a new car with model name 'EcoDrive', year 2023, and price 18,000 into the Cars table.

```
47 •  INSERT INTO Cars_24012011161 (CarID, ModelName, Year, Price)
48    VALUES (2, 'EcoDrive', 2023, 18000);
```

Output

Action Output

#	Time	Action	Message
1	19:37:19	USE PRACTICAL1	0 row(s) affected
2	19:37:19	INSERT INTO Cars_24012011161 (CarID, ModelName, Year, Price) VALUES (2, 'EcoDrive', 2023, 18000)	1 row(s) affected

2. Insert a new manufacturer named 'GreenMotors' from 'USA' into the Manufacturers table.

```
49 •  INSERT INTO Manufacturers_24012011161 (ManufacturerID, Name, Country)
50    VALUES (2, 'GreenMotors', 'USA');
```

Output

Action Output

#	Time	Action	Message
1	19:38:33	USE PRACTICAL1	0 row(s) affected
2	19:38:33	INSERT INTO Manufacturers_24012011161 (ManufacturerID, Name, Country) VALUES (2, 'GreenMotors', 'USA')	1 row(s) affected

3. Insert a production record for 200 units of car ID 2 made by manufacturer ID 2 on '2023-07-15'.

```
151 •  INSERT INTO Production_24012011161 (ProductionID, CarID, ManufacturerID, Quantity, ProductionDate)
152    VALUES (1, 2, 2, 200, '2023-07-15');
```

Output

Action Output

#	Time	Action	Message
1	19:40:34	USE PRACTICAL1	0 row(s) affected
2	19:40:34	INSERT INTO Production_24012011161 (ProductionID, CarID, ManufacturerID, Quantity, ProductionDate) VALU...	1 row(s) affected

4. Select all cars that were manufactured after the year 2020.

```
153 •  SELECT *
154    FROM Cars_24012011161
155    WHERE Year > 2020;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

CarID	ModelName	Year	Price
2	EcoDrive	2023	18000.00

5. Select the names and countries of all manufacturers.

```
156 •  SELECT Name, Country
157    FROM Manufacturers_24012011161;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Name	Country
GreenMotors	USA

6. Update the price of the car with ID 2 to 19,500.

```
158 •  UPDATE Cars_24012011161
159    SET Price = 19500
160    WHERE CarID = 2;
```

Output

Action Output

#	Time	Action	Message
1	19:46:37	USE PRACTICAL1	0 row(s) affected
2	19:46:37	UPDATE Cars_24012011161 SET Price = 19500 WHERE CarID = 2	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0

7. Update the name of the manufacturer with ID 2 to 'EcoMotors'.

```
168 •  UPDATE Manufacturers_24012011161
169    SET Name = 'EcoMotors'
170    WHERE ManufacturerID = 2;
```

Output

Action Output

#	Time	Action	Message
1	19:50:25	USE PRACTICAL1	0 row(s) affected
2	19:50:25	UPDATE Manufacturers_24012011161 SET Name = 'EcoMotors' WHERE ManufacturerID = 2	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0

8. Delete the car with ID 3 from the Cars table.

```
171 •  DELETE FROM Cars_24012011161
172    WHERE CarID = 3;
```

Output

Action Output

#	Time	Action	Message
1	19:51:02	USE PRACTICAL1	0 row(s) affected
2	19:51:02	DELETE FROM Cars_24012011161 WHERE CarID = 3	0 row(s) affected

9. Delete the production record with ID 1002 from the Production table.

```
173 •  DELETE FROM Production_24012011161
174    WHERE ProductionID = 1002;
```

Output

Action Output

#	Time	Action	Message
1	19:51:44	USE PRACTICAL1	0 row(s) affected
2	19:51:44	DELETE FROM Production_24012011161 WHERE ProductionID = 1002	0 row(s) affected

10. Select all production records and show the car ID, manufacturer ID, and

quantity produced.

```
175 •   SELECT CarID, ManufacturerID, Quantity
176     FROM Production_24012011161;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

CarID	ManufacturerID	Quantity
2	2	200