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Question:

Create a table EMPLOYEE with following schema:

(Emp\_no, E\_name, E\_address, E\_ph\_no, Dept\_no, Dept\_name, Job\_id, Salary)

Query:

```
CREATE TABLE Employee(  
    Emp_no INT,  
    E_name TEXT,  
    E_address TEXT,  
    E_ph_no TEXT,  
    Dept_no TEXT,  
    Dept_name TEXT,  
    Job_id INT,  
    Salary INT  
);  
DESC Employee;
```

Output:

Field	Type	Null	Key	Default
Emp_no	int(11)	YES		NULL
E_name	text	YES		NULL
E_address	text	YES		NULL
E_ph_no	text	YES		NULL
Dept_no	text	YES		NULL
Dept_name	text	YES		NULL
Job_id	int(11)	YES		NULL
Salary	int(11)	YES		NULL

Question 1: Insert at least 5 rows in the table.

Query:

```
INSERT INTO Employee VALUES  
(001, "Raj", "Pune", "9999999999", "D10", "Tech-Support", 11, 20000),  
(002, "Karan", "Mumbai", "8787878787", "D12", "Accounts", 12, 53000),  
(003, "Aryan", "Sambhaji Nagar", "1233211233", "D10", "Tech-Support", 13, 23000),  
(004, "Ritesh", "Nashik", "8766766666", "D13", "HR", 14, 75000),  
(005, "Kunal", "Pune", "9899980000", "D14", "Sales", 15, 40000);
```

```
SELECT * FROM Employee;
```

Output:

Emp_no	E_name	E_address	E_ph_no	Dept_no	Dept_name	Job_id	Salary
1	Raj	Pune	9999999999	D10	Tech-Support	11	20000
2	Karan	Mumbai	8787878787	D12	Accounts	12	53000
3	Aryan	Sambhaji Nagar	1233211233	D10	Tech-Support	13	23000
4	Ritesh	Nashik	8766766666	D13	HR	14	75000
5	Kunal	Pune	9899980000	D14	Sales	15	40000

Question 2: Display all the information of EMP table.

Query:

Select \* FROM Employee;

Output:

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	Emp_no	E_name	E_address	E_ph_no	Dept_no	Dept_name	Job_id	Salary
▶	1	Raj	Pune	9999999999	D10	Tech-Support	11	20000
	2	Karan	Mumbai	8787878787	D12	Accounts	12	53000
	3	Aryan	Sambhaji Nagar	1233211233	D10	Tech-Support	13	23000
	4	Ritesh	Nashik	8766766666	D13	HR	14	75000
	5	Kunal	Pune	9899980000	D14	Sales	15	40000

Question 3: Display the record of each employee who works in department D10.

Query:

SELECT \* FROM Employee WHERE Dept\_no="D10";

Output:

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	Emp_no	E_name	E_address	E_ph_no	Dept_no	Dept_name	Job_id	Salary
▶	1	Raj	Pune	9999999999	D10	Tech-Support	11	20000
	3	Aryan	Sambhaji Nagar	1233211233	D10	Tech-Support	13	23000

Question 4: Update the city of Emp\_no-10 with current city as Nagpur.

Query:

UPDATE Employee SET e\_address="Nagpur" WHERE Emp\_no=10;

SELECT \* FROM Employee WHERE Emp\_no=10;

Output:

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	Emp_no	E_name	E_address	E_ph_no	Dept_no	Dept_name	Job_id	Salary
	10	Kaushal	Mumbai	0909090909	D14	Sales	16	42000

Question 5: Display the details of Employees who works in department MECH.

Query:

SELECT \* FROM Employee WHERE Dept\_name="MECH";

Output:

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

Emp no	E name	E address	E ph no	Dept no	Dept name	Job id	Salary
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Question 6: Delete the email\_id of employee Ravi

(modified where e\_name = "Raj")

Query:

UPDATE Employee SET email\_id=NULL WHERE e\_name="Raj";

SELECT \* FROM Employee WHERE e\_name="Raj";

Output:

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	Emp_no	E_name	E_address	E_ph_no	Dept_no	Dept_name	Job_id	Salary	email_id
	1	Raj	Pune	9999999999	D10	Tech-Support	11	20000	NULL

Question 7: Display the complete record of employees working in SALES Department

Query:

```
SELECT * FROM Employee WHERE Dept_name="Sales";
```

Output:

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	Emp_no	E_name	E_address	E_ph_no	Dept_no	Dept_name	Job_id	Salary	email_id
▶	5	Kunal	Pune	9899980000	D14	Sales	15	40000	test@mail.in
	10	Kaushal	Mumbai	0909090909	D14	Sales	16	42000	test@mail.in

Question 8: Delete one record from the table

Query:

```
DELETE FROM Employee WHERE Emp_no=10;  
SELECT * FROM Employee WHERE Emp_no=10;
```

Output:

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	Emp_no	E_name	E_address	E_ph_no	Dept_no	Dept_name	Job_id	Salary	email_id

Question 9: Create Index on E\_name table

Query:

```
CREATE INDEX idx_emp_name ON Employee (E_name);
```



Question 10: Apply transaction control statement using Commit, Rollback & Savepoint


Query:


```
START TRANSACTION;  
UPDATE Employee SET Salary=30000 WHERE E_name="Raj";  
SAVEPOINT A;  
DELETE FROM Employee WHERE E_name="Kunal";  
SELECT * FROM Employee;
```

Output:

Result Grid

  Filter Rows:

Export: 

Wrap Cell Content: 

	Emp_no	E_name	E_address	E_ph_no	Dept_no	Dept_name	Job_id	Salary	email_id
▶	1	Raj	Pune	9999999999	D10	Tech-Support	11	30000	NULL
	2	Karan	Mumbai	8787878787	D12	Accounts	12	53000	test@mail.in
	3	Aryan	Sambhaji Nagar	1233211233	D10	Tech-Support	13	23000	test@mail.in
	4	Ritesh	Nashik	8766766666	D13	HR	14	75000	test@mail.in

Query:

```
ROLLBACK TO A;  
SELECT * FROM Employee;
```

Output:

Result Grid

Filter Rows:

Export:

Wrap Cell Content:


	Emp_no	E_name	E_address	E_ph_no	Dept_no	Dept_name	Job_id	Salary	email_id
	1	Raj	Pune	9999999999	D10	Tech-Support	11	30000	NULL
	2	Karan	Mumbai	8787878787	D12	Accounts	12	53000	test@mail.in
	3	Aryan	Sambhaji Nagar	1233211233	D10	Tech-Support	13	23000	test@mail.in
	4	Ritesh	Nashik	8766766666	D13	HR	14	75000	test@mail.in
	5	Kunal	Pune	9899980000	D14	Sales	15	40000	test@mail.in


Query:

```
COMMIT;  
SELECT * FROM Employee;
```


Output

Result Grid





 Filter Rows:

Export:



Wrap Cell Content:







	Emp_no	E_name	E_address	E_ph_no	Dept_no	Dept_name	Job_id	Salary	email_id
	1	Raj	Pune	9999999999	D10	Tech-Support	11	30000	NULL
	2	Karan	Mumbai	8787878787	D12	Accounts	12	53000	test@mail.in
	3	Aryan	Sambhaji Nagar	1233211233	D10	Tech-Support	13	23000	test@mail.in
	4	Ritesh	Nashik	8766766666	D13	HR	14	75000	test@mail.in
	5	Kunal	Pune	9899980000	D14	Sales	15	40000	test@mail.in

Question 11: Sort the employee by Salary.

Query:

```
SELECT * FROM Employee ORDER BY Salary;
```

Output:

Result Grid		  Filter Rows: <input type="text"/>		Export: 		Wrap Cell Content: 			
	Emp_no	E_name	E_address	E_ph_no	Dept_no	Dept_name	Job_id	Salary	email_id
▶	3	Aryan	Sambhaji Nagar	1233211233	D10	Tech-Support	13	23000	test@mail.in
	1	Raj	Pune	9999999999	D10	Tech-Support	11	30000	NULL
	5	Kunal	Pune	9899980000	D14	Sales	15	40000	test@mail.in
	2	Karan	Mumbai	8787878787	D12	Accounts	12	53000	test@mail.in
	4	Ritesh	Nashik	8766766666	D13	HR	14	75000	test@mail.in



Question 12: Sort the employee from highest to lowest Salary.


Query:


```
SELECT * FROM Employee ORDER BY Salary DESC;
```

Output:

Result Grid

  Filter Rows:

Export: 

Wrap Cell Content: 

	Emp_no	E_name	E_address	E_ph_no	Dept_no	Dept_name	Job_id	Salary	email_id
▶	4	Ritesh	Nashik	8766766666	D13	HR	14	75000	test@mail.in
	2	Karan	Mumbai	8787878787	D12	Accounts	12	53000	test@mail.in
	5	Kunal	Pune	9899980000	D14	Sales	15	40000	test@mail.in
	1	Raj	Pune	9999999999	D10	Tech-Support	11	30000	NULL
	3	Arvan	Sambhaji Nagar	1233211233	D10	Tech-Support	13	23000	test@mail.in

Question 13: Sort the employee from lowest to highest Salary.

Query:

```
SELECT * FROM Employee ORDER BY Salary ASC;
```

Output:

Result Grid		Filter Rows	Export	Wrap Cell Content					
	Emp_no	E_name	E_address	E_ph_no	Dept_no	Dept_name	Job_id	Salary	email_id
	3	Aryan	Sambhaji Nagar	1233211233	D10	Tech-Support	13	23000	test@mail.in
	1	Raj	Pune	9999999999	D10	Tech-Support	11	30000	NULL
	5	Kunal	Pune	9899980000	D14	Sales	15	40000	test@mail.in
	2	Karan	Mumbai	8787878787	D12	Accounts	12	53000	test@mail.in
	4	Ritesh	Nashik	8766766666	D13	HR	14	75000	test@mail.in

Question 14: Sort the employee name in Ascending and Salary in Descending order.

Query:

```
SELECT * FROM Employee ORDER BY E_name ASC, Salary DESC;
```

Output:

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	Emp_no	E_name	E_address	E_ph_no	Dept_no	Dept_name	Job_id	Salary	email_id
▶	3	Aryan	Sambhaji Nagar	1233211233	D10	Tech-Support	13	23000	test@mail.in
	2	Karan	Mumbai	8787878787	D12	Accounts	12	53000	test@mail.in
	5	Kunal	Pune	9899980000	D14	Sales	15	40000	test@mail.in
	1	Raj	Pune	9999999999	D10	Tech-Support	11	30000	NULL
	4	Ritesh	Nashik	8766766666	D13	HR	14	75000	test@mail.in

Question 15:Delete all the records using the Truncate command.



Query:

```
TRUNCATE TABLE Employee;
```


```
SELECT * FROM Employee;
```


Output:

Result Grid



Filter Rows:

Export: 

Wrap Cell Content: 

	Emp_no	E_name	E_address	E_ph_no	Dept_no	Dept_name	Job_id	Salary	email_id
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