Name: Tejas Kayande

Class: MCA 1st Division: A

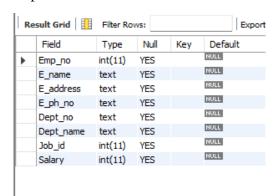
Roll No: 2501087

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:

Output:



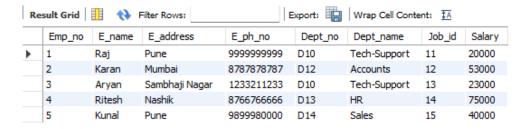
Question 1: Insert at least 5 rows in the table.

Query:

INSERT INTO Employee VALUES

```
(001, "Raj" , "Pune" , "999999999", "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;



Question 2: Display all the information of EMP table.

Query:

Select * FROM Employee;

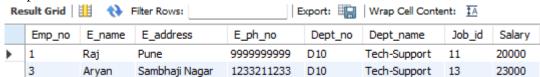
Output:

Result Grid III 💎 Filter Rows: Export: III Wrap Cell Content: 🚻											
	Emp_no	E_name	E_address	E_ph_no	Dept_no	Dept_name	Job_id	Salary			
•	1	Raj	Pune	999999999	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";

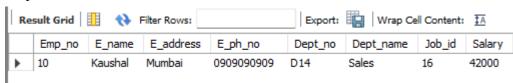
Output:



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:



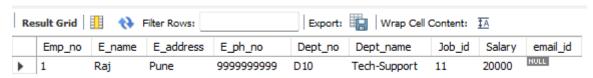
Question 5: Display the details of Employees who works in department MECH. Query:

SELECT * FROM Employee WHERE Dept_name="MECH"; Output:



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";



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

SELECT * FROM Employee WHERE Dept_name="Sales";

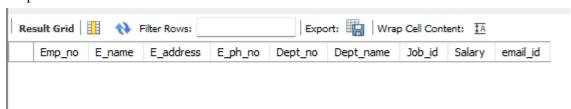
Output:



Question 8: Delete one record from the table Query:

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

Output:



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;

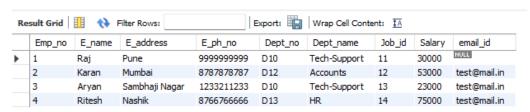
UPDATE Employee SET Salary=30000 WHERE E_name="Raj";

SAVEPOINT A;

DELETE FROM Employee WHERE E_name="Kunal";

SELECT * FROM Employee;

Output:



Query:

ROLLBACK TO A;

SELECT * FROM Employee;

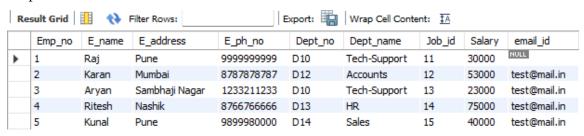
Result Grid												
	Emp_no	E_name	E_address	E_ph_no	Dept_no	Dept_name	Job_id	Salary	email_id			
•	1	Raj	Pune	999999999	D10	Tech-Support	11	30000	NULL			
	2	Karan	Mumbai	8787878787	D12	Accounts	12	53000	test@mail.in			
	3	Aryan	Sambhaji Nagar	1233211233	D10	Tech-Support	13	23000	test@mail.in			
	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

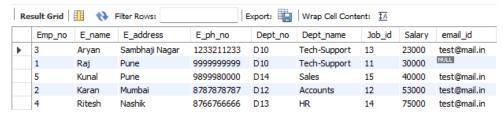


Question 11: Sort the employee by Salary.

Query:

SELECT * FROM Employee ORDER BY Salary;

Output:

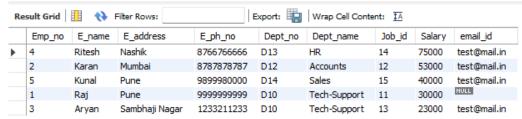


Question 12: Sort the employee from highest to lowest Salary.

Query:

SELECT * FROM Employee ORDER BY Salary DESC;

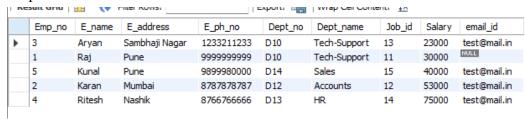
Output:



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

SELECT * FROM Employee ORDER BY Salary ASC;

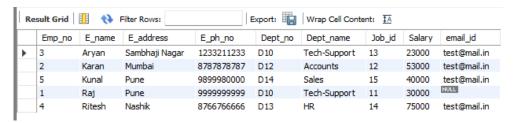
Output:



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:



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

TRUNCATE TABLE Employee; SELECT * FROM Employee;

