

# S20230010225

## Shriansh Jain

DBMS Lab 2 Screenshots and queries text(attached below)

Q1a

Query 1

```
16 -- ('C106', 'Raj Kumar', 'Delhi', 'Delhi', 151127, 'cricket kit', 5250),
17 -- ('C107', 'Tuner Bond', 'Bhopal', 'Madhya Pradesh', 451127, 'football kit', 3250),
18 -- ('C108', 'Nikhil Yadav', 'Chennai', 'Tamil Nadu', 751127, 'football kit', 6250),
19 -- ('C109', 'John', 'Mumbai', 'Maharashtra', '651127', 'football kit', 6255);
20 • select * from customer
21
```

Result Grid

	Cust_ID	name	city	state	pincode	products	price
▶	C101	Alex William	Indore	Madhya Pradesh	452013	chair	4000
	C102	Alex William	Pune	Maharashtra	652016	table	8000
	C103	V. Iyer	Chennai	Tamil Nadu	752716	table	8001
	C104	L.Laxmi	Chennai	Tamil Nadu	752717	doll	200
	C105	Ravi Teja	Hyderabad	Telangana	252727	doll	250
	C106	Raj Kumar	Delhi	Delhi	151127	cricket kit	5250
	C107	Tuner Bond	Bhopal	Madhya Pradesh	451127	football kit	3250
	C108	Nikhil Yadav	Chennai	Tamil Nadu	751127	football kit	6250
	C109	John	Mumbai	Maharashtra	651127	football kit	6255

Q1b1

```
--
21 • select distinct name from customer
22
```

Result Grid

	name
▶	Alex William
	V. Iyer
	L.Laxmi
	Ravi Teja
	Raj Kumar
	Tuner Bond
	Nikhil Yadav
	John

Q1b2

22

23 • `select name, city from customer`

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	name	city		
▶	Alex William	Indore		
	Alex William	Pune		
	V. Iyer	Chennai		
	L.Laxmi	Chennai		
	Ravi Teja	Hyderabad		
	Raj Kumar	Delhi		
	Tuner Bond	Bhopal		
	Nikhil Yadav	Chennai		
	John	Mumbai		

customer 3 x

Q1b3

24

25 • `select products from customer where products like "d%";`

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	products			
▶	doll			
	doll			

Q1b4

26

27 • `select name from customer where city='chennai';`

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	name			
▶	V. Iyer			
	L.Laxmi			
	Nikhil Yadav			

customer 8 x

Q1b5

28

29 • `select * from customer where Cust_ID="C108" or Cust_ID="C104"`

Result Grid							
Filter Rows: <input type="text"/> Export:  Wrap Cell Content:							
	Cust_ID	name	city	state	pincode	products	price
▾	C104	L.Laxmi	Chennai	Tamil Nadu	752717	doll	200
▾	C108	Nikhil Yadav	Chennai	Tamil Nadu	751127	football kit	6250

customer 9 x

Q1b6

30

31 • `select products from customer where price>5000;`

32

Result Grid							
Filter Rows: <input type="text"/> Export:  Wrap Cell Content:							
	products						
▾	table						
	table						
	cricket kit						
	football kit						
	football kit						

Q1b7

32

33 • `select Cust_ID from customer where city='hyderabad' or city='pune' or city='delhi';`

Result Grid							
Filter Rows: <input type="text"/> Export:  Wrap Cell Content:							
	Cust_ID						
▾	C102						
	C105						
	C106						

customer 11 x

## Q1b8

34

35 • `select products from customer where price>2000 and price<5000`

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	products			
▶	chair			
	football kit			

## Q1b9

36

37 • `select name, city, state from customer where state != "Tamil Nadu";`

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	name	city	state	
▶	Alex William	Indore	Madhya Pradesh	
	Alex William	Pune	Maharashtra	
	Ravi Teja	Hyderabad	Telangana	
	Raj Kumar	Delhi	Delhi	
	Tuner Bond	Bhopal	Madhya Pradesh	
	John	Mumbai	Maharashtra	

## Q1b10

38

39 • `update customer set name = 'Johneey' where name = 'John';`

40 • `select * from customer`

A1

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	Cust_ID	name	city	state	pincode	products	price
▶	C101	Alex William	Indore	Madhya Pradesh	452013	chair	4000
	C102	Alex William	Pune	Maharashtra	652016	table	8000
	C103	V. Iyer	Chennai	Tamil Nadu	752716	table	8001
	C104	L.Laxmi	Chennai	Tamil Nadu	752717	doll	200
	C105	Ravi Teja	Hyderabad	Telangana	252727	doll	250
	C106	Raj Kumar	Delhi	Delhi	151127	cricket kit	5250
	C107	Tuner Bond	Bhopal	Madhya Pradesh	451127	football kit	3250
	C108	Nikhil Yadav	Chennai	Tamil Nadu	751127	football kit	6250
	C109	Johneey	Mumbai	Maharashtra	651127	football kit	6255

## Q2\_1

The screenshot shows the SQL Server Enterprise Manager interface. On the left, the 'SCHEMAS' pane displays a tree view with 'business' expanded, showing 'Tables', 'Views', 'Stored Proce...', and 'Functions'. Below this, a message states 'No object selected'. The main query window contains the following SQL code:

```

65 (4599, 'Dhanad', '2019-04-02', '8456123423', 'Accounts', 'Typist', 4000, 'M'),
66 (2399, 'Khurana', '2019-03-01', '9448903423', 'Accounts', 'CA', 14500, 'M'),
67 (4599, 'Suraj', '2019-04-02', '9426123423', 'Accounts', 'CA', 46000, 'M');
68
69 • select * from employee;
70
71
72

```

Below the query window, the 'Result Grid' is displayed, showing a table with 9 columns: emp\_no, emp\_name, doj, ph\_no, dept\_name, designation, salary, and gender. The table contains 13 rows of data:

emp_no	emp_name	doj	ph_no	dept_name	designation	salary	gender
1234	Sarala	2020-01-02	9444123456	Sales	HR	70000	F
3452	Amogh	2019-01-01	9464123456	Sales	Sales manager	72000	M
4312	Qasim	2019-04-01	9444123423	Sales	Sales representative	7000	M
4112	Swathi	2019-04-23	NULL	Sales	Typist	3300	F
6693	Manoj	2019-03-01	9444125357	HR	Marketing	17000	M
4345	Devi kumar	2020-01-01	9448563456	HR	HR	70000	F
5744	Hari dev	2019-03-01	9464893456	Marketing	Receptionist	2000	M
7899	William Jane	2019-04-12	NULL	Marketing	Typist	4000	F
3451	Dennis	2019-11-01	8244125357	Marketing	sales representative	7000	M
2399	Govind	2019-03-01	8346123423	Accounts	Typist	4500	M

## Q2\_2

The screenshot shows the SQL Server Enterprise Manager interface. On the left, the 'SCHEMAS' pane displays a tree view with 'business' expanded, showing 'Tables', 'Views', 'Stored Proce...', and 'Functions'. Below this, a message states 'No object selected'. The main query window contains the following SQL code:

```

65 (4599, 'Dhanad', '2019-04-02', '8456123423', 'Accounts', 'Typist', 4000, 'M'),
66 (2399, 'Khurana', '2019-03-01', '9448903423', 'Accounts', 'CA', 14500, 'M'),
67 (4599, 'Suraj', '2019-04-02', '9426123423', 'Accounts', 'CA', 46000, 'M');
68
69 • select * from employee;
70
71
72

```

Below the query window, the 'Result Grid' is displayed, showing a table with 9 columns: emp\_no, emp\_name, doj, ph\_no, dept\_name, designation, salary, and gender. The table contains 13 rows of data:

emp_no	emp_name	doj	ph_no	dept_name	designation	salary	gender
1234	Sarala	2020-01-02	9444123456	Sales	HR	70000	F
3452	Amogh	2019-01-01	9464123456	Sales	Sales manager	72000	M
4312	Qasim	2019-04-01	9444123423	Sales	Sales representative	7000	M
4112	Swathi	2019-04-23	NULL	Sales	Typist	3300	F
6693	Manoj	2019-03-01	9444125357	HR	Marketing	17000	M
4345	Devi kumar	2020-01-01	9448563456	HR	HR	70000	F
5744	Hari dev	2019-03-01	9464893456	Marketing	Receptionist	2000	M
7899	William Jane	2019-04-12	NULL	Marketing	Typist	4000	F
3451	Dennis	2019-11-01	8244125357	Marketing	sales representative	7000	M
2399	Govind	2019-03-01	8346123423	Accounts	Typist	4500	M

## Q2\_3

```

insert into employee(emp_no, emp_name, doj, ph_no, dept_name, designation, salary, gender) values
(1111, 'Rahul', '2019-04-01', '1234567890', 'Sales', 'Sales manager', 7000, 'M'),
(2222, 'Shreyaan', '2029-04-01', '1234567899', 'HR', 'HR', 700, 'F'),
(3333, 'Kshitij', '2015-05-01', '1234567890', 'Accounts', 'Typist', 7000, 'M'),
(4444, 'Abhiram', '2019-04-01', '1234567890', 'HR', 'Receptionist', 7000, 'F');

```

## Q2\_4

77 • `select * from employee`

78

79

80

81

Result Grid | Filter Rows: | Export: | Wrap Cell Content: [IA](#)

	emp_no	emp_name	doj	ph_no	dept_name	designation	salary	gender
	1234	Sarala	2020-01-02	9444123456	Sales	HR	70000	F
	3452	Amogh	2019-01-01	9464123456	Sales	Sales manager	72000	M
▶	4312	Qasim	2019-04-01	9444123423	Sales	Sales representative	7000	M
	4112	Swathi	2019-04-23	NULL	Sales	Typist	3300	F
	6693	Manoj	2019-03-01	9444125357	HR	Marketing	17000	M
	4345	Devi kumar	2020-01-01	9448563456	HR	HR	70000	F
	5744	Hari dev	2019-03-01	9464893456	Marketing	Receptionist	2000	M
	7899	William Jane	2019-04-12	NULL	Marketing	Typist	4000	F
	3451	Dennis	2019-11-01	8244125357	Marketing	sales representative	7000	M
	2399	Govind	2019-03-01	8346123423	Accounts	Typist	4500	M
	4599	Dhanad	2019-04-02	8456123423	Accounts	Typist	4000	M
	2399	Khurana	2019-03-01	9448903423	Accounts	CA	14500	M
	4599	Suraj	2019-04-02	9426123423	Accounts	CA	46000	M
	1111	Rahul	2019-04-01	1234567890	Sales	Sales manager	7000	M
	2222	Shreyaan	2029-04-01	1234567899	HR	HR	700	F
	3333	Kshitij	2015-05-01	1234567890	Accounts	Typist	7000	M
	4444	Abhiram	2019-04-01	1234567890	HR	Receptionist	7000	F

## Q2\_5

77 `-- select * from employee`

78

79 • `select emp_no, emp_name from employee where dept_name like "%s"`

80

81

Result Grid | Filter Rows: | Export: | Wrap Cell Content: [IA](#)





	emp_no	emp_name
	1234	Sarala
	3452	Amogh
	4312	Qasim
	4112	Swathi
	2399	Govind
	4599	Dhanad
	2399	Khurana
	4599	Suraj
	1234	Sarala
	3452	Amogh
	4312	Qasim
	4112	Swathi
	2399	Govind
	4599	Dhanad

## Q2\_6

80

```
81 • select emp_no, emp_name from employee where salary>2000 and salary<5000;
```

82

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

emp_no	emp_name
4112	Swathi
7899	William Jane
2399	Govind
4599	Dhanad
4112	Swathi
7899	William Jane
2399	Govind
4599	Dhanad

## Q2\_7

82

```
83 • select designation from employee where designation like "sales%";
```

84

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

designation
Sales manager
Sales representative
sales representative
Sales manager
Sales representative
sales representative
Sales manager

## Q2\_8

```
• update employee set salary=25000 where designation="Typist";
```

## Q2\_9

```
85 -- update employee set salary=25000 where designation='typist';
```

86

```
87 • update employee set ph_no='999999999' where emp_name='Qasim';
```

88

89

90

91

92

## Q2\_10

```
89 • update employee set salary=1.15*salary where designation='receptionist';
90 • select * from employee;
```

91

92

Result Grid								
Filter Rows: <input type="text"/>								
Export:  Wrap Cell Content:								
	emp_no	emp_name	doj	ph_no	dept_name	designation	salary	gender
	4112	Swathi	2019-04-23	NULL	Sales	Typist	25000	F
	6693	Manoj	2019-03-01	9444125357	HR	Marketing	17000	M
	4345	Devi kumar	2020-01-01	9448563456	HR	HR	70000	F
▶	5744	Hari dev	2019-03-01	9464893456	Marketing	Receptionist	2300	M
	7899	William Jane	2019-04-12	NULL	Marketing	Typist	25000	F
	3451	Dennis	2019-11-01	8244125357	Marketing	sales representative	7000	M

## Q2\_11

91

```
92 • select * from employee where ph_no is null;
```

93

Result Grid								
Filter Rows: <input type="text"/>								
Export:  Wrap Cell Content:								
	emp_no	emp_name	doj	ph_no	dept_name	designation	salary	gender
	4112	Swathi	2019-04-23	NULL	Sales	Typist	25000	F
	7899	William Jane	2019-04-12	NULL	Marketing	Typist	25000	F

## Q2\_12

93

```
94 • delete from employee where salary >7000;
```

95

## Q2\_13

95

```
96 • truncate table employee;
```

97

## Q2\_14



```

95
96 • truncate table employee;
97 • select * from employee;

```

Result Grid							
Filter Rows: <input type="text"/> Export:  Wrap Cell Content:							
emp_no	emp_name	doj	ph_no	dept_name	designation	salary	gender

SQL Code:

```

-- CREATE table Customer(
-- Cust_ID varchar(5),
-- name varchar(30),
-- city varchar(15),
-- state varchar(15),
-- pincode int(6),
-- products varchar(40),
-- price int(10))

-- INSERT INTO Customer (Cust_ID, name, city, state, pincode, products, price) VALUES
-- ('C101', 'Alex William', 'Indore', 'Madhya Pradesh', 452013, 'chair', 4000),
-- ('C102', 'Alex William', 'Pune', 'Maharashtra', 652016, 'table', 8000),
-- ('C103', 'V. Iyer', 'Chennai', 'Tamil Nadu', 752716, 'table', 8001),
-- ('C104', 'L.Laxmi', 'Chennai', 'Tamil Nadu', 752717, 'doll', 200),
-- ('C105', 'Ravi Teja', 'Hyderabad', 'Telangana', 252727, 'doll', 250),
-- ('C106', 'Raj Kumar', 'Delhi', 'Delhi', 151127, 'cricket kit', 5250),
-- ('C107', 'Tuner Bond', 'Bhopal', 'Madhya Pradesh', 451127, 'football kit', 3250),
-- ('C108', 'Nikhil Yadav', 'Chennai', 'Tamil Nadu', 751127, 'football kit', 6250),

```

```
-- ('C109', 'John', 'Mumbai', 'Maharashtra', '651127', 'football kit', 6255);

-- select distinct name from customer

-- select name, city from customer

-- select products from customer where products like "d%";

-- select name from customer where city='chennai';

-- select * from customer where Cust_ID="C108" or Cust_ID="C104"

-- select products from customer where price>5000;

-- select Cust_ID from customer where city='hyderabad' or city='pune' or city='delhi';

-- select products from customer where price>2000 and price<5000

-- select name, city, state from customer where state != "Tamil Nadu";

-- update customer set name = 'Johney' where name = 'John';

-- select * from customer

-- create database business;

-- create table employee(
-- emp_no    int(4)
-- ,emp_name varchar(20)
```

```

-- ,doj date
-- ,ph_no      char(10)
-- ,dept_name varchar(20)
-- ,designation varchar(20)
-- ,salary int(6)
-- ,gender char(1));

-- INSERT INTO employee (emp_no, emp_name, doj, ph_no, dept_name, designation,
salary, gender) VALUES

-- (1234, 'Sarala', '2020-01-02', '9444123456', 'Sales', 'HR', 70000, 'F'),
-- (3452, 'Amogh', '2019-01-01', '9464123456', 'Sales', 'Sales manager', 72000, 'M'),
-- (4312, 'Qasim', '2019-04-01', '9444123423', 'Sales', 'Sales representative', 7000, 'M'),
-- (4112, 'Swathi', '2019-04-23', NULL, 'Sales', 'Typist', 3300, 'F'),
-- (6693, 'Manoj', '2019-03-01', '9444125357', 'HR', 'Marketing', 17000, 'M'),
-- (4345, 'Devi kumar', '2020-01-01', '9448563456', 'HR', 'HR', 70000, 'F'),
-- (5744, 'Hari dev', '2019-03-01', '9464893456', 'Marketing', 'Receptionist', 2000, 'M'),
-- (7899, 'William Jane', '2019-04-12', NULL, 'Marketing', 'Typist', 4000, 'F'),
-- (3451, 'Dennis', '2019-11-01', '8244125357', 'Marketing', 'sales representative', 7000,
'M'),
-- (2399, 'Govind', '2019-03-01', '8346123423', 'Accounts', 'Typist', 4500, 'M'),
-- (4599, 'Dhanad', '2019-04-02', '8456123423', 'Accounts', 'Typist', 4000, 'M'),
-- (2399, 'Khurana', '2019-03-01', '9448903423', 'Accounts', 'CA', 14500, 'M'),
-- (4599, 'Suraj', '2019-04-02', '9426123423', 'Accounts', 'CA', 46000, 'M');

-- select * from employee;

-- insert into employee(emp_no, emp_name, doj, ph_no, dept_name, designation,
salary, gender) values

-- (1111, 'Rahul', '2019-04-01', '1234567890', 'Sales', 'Sales manager', 7000, 'M'),

```

```
-- (2222, 'Shreyaan', '2029-04-01', '1234567899', 'HR', 'HR', 700, 'F'),
-- (3333, 'Kshitij', '2015-05-01', '1234567890', 'Accounts', 'Typist', 7000, 'M'),
-- (4444, 'Abhiram', '2019-04-01', '1234567890', 'HR', 'Receptionist', 7000, 'F');

-- select * from employee

-- select emp_no, emp_name from employee where dept_name like "%s"

-- select emp_no, emp_name from employee where salary>2000 and salary<5000;

-- select designation from employee where designation like "sales%";

-- update employee set salary=25000 where designation="Typist";

-- update employee set ph_no='9999999999' where emp_name='Qasim';

-- update employee set salary=1.15*salary where designation='receptionist';
-- select * from employee;

-- select * from employee where ph_no is null;

-- delete from employee where salary >7000;

-- truncate table employee;
-- select * from employee;
```