Create Table Customers\_east (

Customer\_ID serial PRIMARY KEY,

Customer\_FirstName varchar(80) NOT NULL,

Customer\_LastName varchar(80) NOT NULL,

Address varchar(30) Null,

City varchar(30) Null,

PostalCode int Null,

Country varchar(15) Null,

Email varchar(15) Null

);

Select \* from Customers\_east;

Graphical user interface, text

Description automatically generated

Insert into Customers\_east (customer\_firstname, customer\_lastname, address, city, postalcode, country, Email)

Values

(

'John',

'Lennon',

'Eleanor Rigby Street Apt 9',

'Liverpool',

'77777',

'USA',

'jl@email.com'

),

(

'Paul',

'McCartney',

'333 All Need Love St. Apt 2',

'Livepool','11332',

'USA',

'pm@email.com'

),

(

'Richard',

'Starkey',

'Drum Street Apt 5',

'Liverpool',

'11212',

'USA',

'rs@email.com'

),

(

'George ',

'Harrison',

'Guitar Wees Street Apt 1',

'Liverpool',

'77777',

'USA',

'gh@gmail.com'

);

Select \* from Customers\_east;

Graphical user interface

Description automatically generated

UPDATE Customers\_east

SET city = 'New York'

WHERE city LIKE 'Brooklyn%';

Select \* from Customers\_east;

Table

Description automatically generated with medium confidence

DELETE FROM Customers\_east

WHERE customer\_firstname='John' and customer\_lastname='Dave';

Select \* from Customers\_east;

Graphical user interface

Description automatically generated with medium confidence

select first\_name, last\_name, unit4, unit5, unit3, unit2

from student

inner join student\_marks

on student.id=student\_marks.id

group by first\_name, last\_name, unit4, unit5, unit3, unit2

having unit4 BETWEEN 89 AND 100

and unit5 BETWEEN 89 AND 100

and unit3 BETWEEN 89 AND 100

and unit2 BETWEEN 89 AND 100

ORDER BY unit4 DESC;

Graphical user interface, application

Description automatically generated

2.

select first\_name, last\_name, unit4, unit5, unit3, unit2

from student

inner join student\_marks

on student.id=student\_marks.id

group by first\_name, last\_name, unit4, unit5, unit3, unit2

having unit4 = 100

and unit5 = 100

and unit3 = 100

and unit2 = 100

ORDER BY unit4 DESC;

Graphical user interface, text, application

Description automatically generated

3.

select

count(case when gender='Male' then 1 end) as male\_cnt,

count(case when gender='Female' then 1 end) as female\_cnt,

count(\*) as total\_cnt

from student;

Graphical user interface, text, application, email

Description automatically generated

4.

select

100\*sum(case when gender = 'Female' then 1 else 0 end)/count(\*) fem\_perc

from student;

Graphical user interface, text, application, email

Description automatically generated

5.

select

100\*sum(case when gender = 'Male' then 1 else 0 end)/count(\*) male\_perc

from student; Graphical user interface, text, application, email

Description automatically generated

6. Who are female students?

select first\_name, last\_name, gender

from student

group by first\_name, last\_name, gender

having gender = 'Female';

Graphical user interface, text

Description automatically generated

7. Who are male students?

select first\_name, last\_name, gender

from student

group by first\_name, last\_name, gender

having gender = 'Male';

Graphical user interface, application

Description automatically generated

1. 8. Who are students that scored below 89 in unit4?

select first\_name, last\_name, unit4

from student

inner join student\_marks

on student.id=student\_marks.id

group by first\_name, last\_name, unit4

having unit4 <89

order by unit4 desc;

Graphical user interface, text

Description automatically generated

9. Convert number grade into letter grade.

select

CASE

when unit4<59 then 'F'

when unit4>=59 and unit4<69 then 'D'

when unit4>=69 and unit4<79 then 'C'

when unit4>=79 and unit4<89 then 'B'

when unit4>=89 then 'A'

END AS letter\_grade

from student\_marks order by ID;

Graphical user interface, text

Description automatically generated

1. Find the name of a person whose name starts with letter A or R?

select \*

from student

where (

first\_name like 'A%'

or first\_name like 'R%')

order by first\_name asc;

Graphical user interface, table

Description automatically generated