A.

1.

SELECT email

FROM client cl JOIN comanda co ON cl.email = co.email

WHERE EXTRACT(YEAR FROM data) = 2023;

2.

SELECT nume || ‘ ‘ || prenume

FROM angajat a JOIN comanda c ON a.id\_angajat = c.id\_angajat

JOIN transport t ON c.id\_comanda = t.id\_comanda

HAVING COUNT(id\_autovehicul) > 1;

3.

SELECT id\_autovehicul

FROM transport t JOIN comanda c ON t.id\_comanda = c.id\_comanda

WHERE valoare = (

SELECT MAX(valoare)

FROM COMANDA

WHERE EXTRACT(YEAR FROM data) = 2024

AND EXTRACT(MONTH FROM data) = "MAR");

4.

SELECT id\_angajat, nume || ‘ ‘ || prenume

FROM angajat a JOIN comanda c ON a.id\_angajat = c.id\_angajat

JOIN transport t ON c.id\_comanda = t.id\_comanda

WHERE adresa\_start != adresa\_final

AND data = (

SELECT MAX(data)

FROM comanda)

UNION

SELECT email

FROM client cl JOIN comanda co ON cl.email = co.email

JOIN transport t ON co.id\_comanda = t.id\_comanda

WHERE adresa\_start != adresa\_final

AND data = (

SELECT MAX(data)

FROM comanda);

5.

SELECT id\_angajat, nume || ‘ ‘ || prenume

FROM angajat an JOIN autovehicul au on an.id\_angajat = au.id\_angajat

JOIN comanda c ON an.id\_angajat = c.id\_angajat

WHERE EXTRACT(YEAR FROM data) = 2024

AND EXTRACT(MONTH FROM data) = "APR"

AND capacitate = 1000;

C.

1. Sa se obtina o lista ce contine codul, salariul si punctele de comision ale angajatilor.

Rezultat = PROJECT(ANGAJAT, id\_angajat, salariu, comision).

SELECT id\_angajat, salariu, comision

FROM angajat;

2. Sa se obtina informatii complete despre angajati.

Rezultat - SELECT(ANGAJAT).

SELECT \*

FROM angajat;

3. Sa se obtina lista cu codul angajatilor si al autovehiculelor.

R = PROJECT(ANGAJAT, id\_angajat)

S = PROJECT(AUTOVEHICUL, id\_autovehicul)

Rezultat = UNION(R,S).

SELECT id\_angajat

FROM angajat

UNION

SELECT id\_autovehicul

FROM aotuvehicule;

4. Utilizant tabelele comanda si transport, sa se obtina lista codurilot comenzilor care au fost transportate in alt oras decat cel de inceput si au valoare de peste 1000 euro.

R = PROJECT(SELECT(COMANDA, valoare >= 1000), id\_comanda)

S = PROJECT(SELECT(TRANSPORT, adresa\_start != adresa\_final), id\_comanda)

Rezultat = INTERSECT(R,S).

SELECT id\_comanda

FROM comanda

WHERE valoare >= 1000

INTERSECT

SELECT id\_comanda

FROM transport

WHERE adresa\_start != adresa\_final;

SELECT id\_comanda

FROM comanda c

WHERE valoare >= 1000

AND EXISTS

(SELECT 'x'

FROM transport t

WHERE adresa\_start != adresa\_final

AND t.id\_comanda = c.id\_comanda);

5. Sa se obtina informatii complete despre clienti si comenzile facute de acestia.

Rezultat = JOIN(CLIENT, COMANDA).

SELECT \*

FROM client cl, comanda co

WHERE cl.email = co.email;