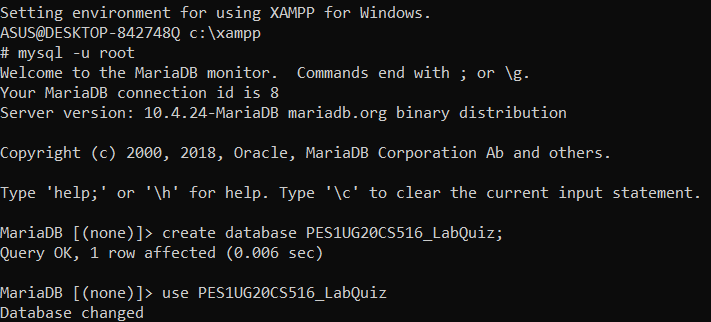
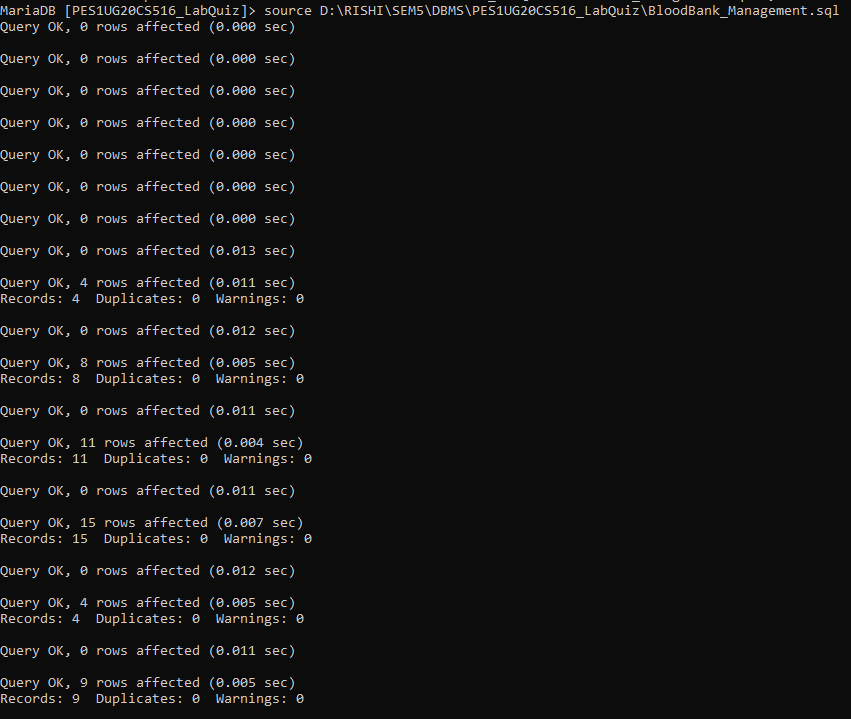
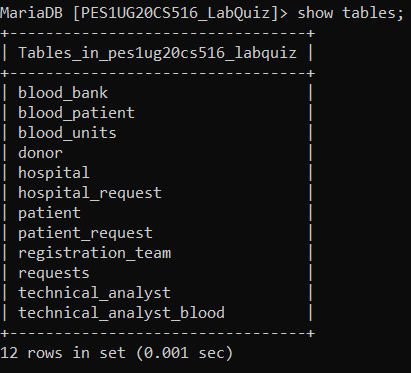
## Lab Quiz

### Creation and population of PES1UG20CS516\_LabQuiz database







## SET No 2:

## 4. List the name and IDs of the patients who did not get the exact blood group as their own. Also display the blood group of blood unit and their actual blood group

SELECT patient.patient\_name, patient.patient\_id, requests.blood\_group AS bloodgroup\_unit , patient.blood\_group AS actual\_bloodgroup

FROM patient

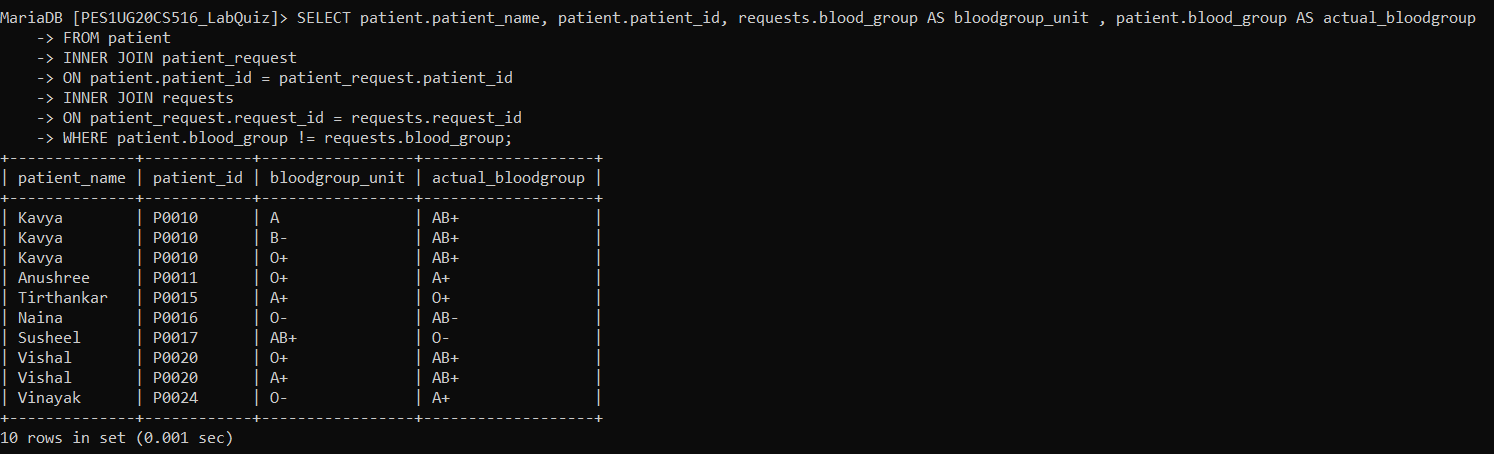
INNER JOIN patient\_request

ON patient.patient\_id = patient\_request.patient\_id

INNER JOIN requests

ON patient\_request.request\_id = requests.request\_id

WHERE patient.blood\_group != requests.blood\_group;



## 5. Write a query to display the number of donors and the number of request for particular blood groups in the ascending order of requests

SELECT \* FROM

(SELECT blood\_group, COUNT(d\_id) AS no\_of\_donors

FROM donor

GROUP BY blood\_group) AS t1

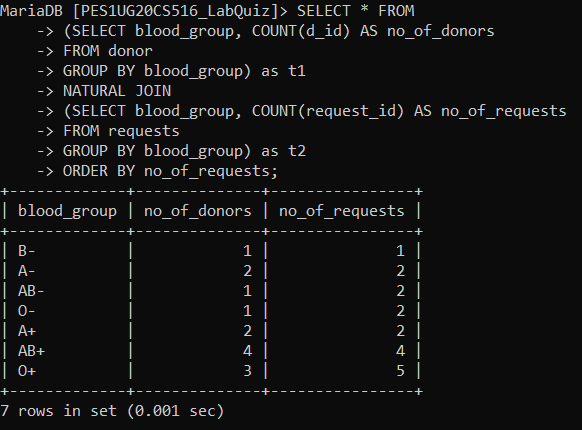
NATURAL JOIN

(SELECT blood\_group, COUNT(request\_id) AS no\_of\_requests

FROM requests

GROUP BY blood\_group) AS t2

ORDER BY no\_of\_requests;



## 6. Write a function to set the health status of a donor. If the donor has some associated disease set health status to ‘Fair’, otherwise to ‘Good’

DELIMITER $$

CREATE OR REPLACE FUNCTION health\_status(disease VARCHAR(50))

RETURNS VARCHAR(10)

DETERMINISTIC

BEGIN

    DECLARE SET\_MSG VARCHAR(10);

    IF disease = "NIL" OR disease = "Nil" THEN

    SET SET\_MSG ="Good";

    ELSE

    SET SET\_MSG ="Fair";

    END IF;

    RETURN SET\_MSG;

END; $$

DELIMITER ;

SELECT d\_id, d\_name, d\_surname, d\_disease, health\_status(d\_disease) as health\_status FROM donor;

