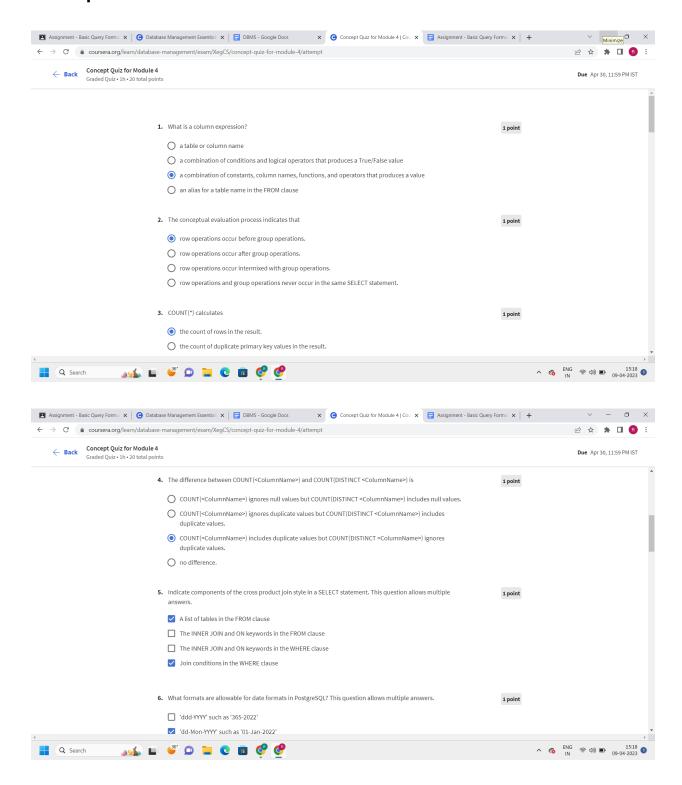
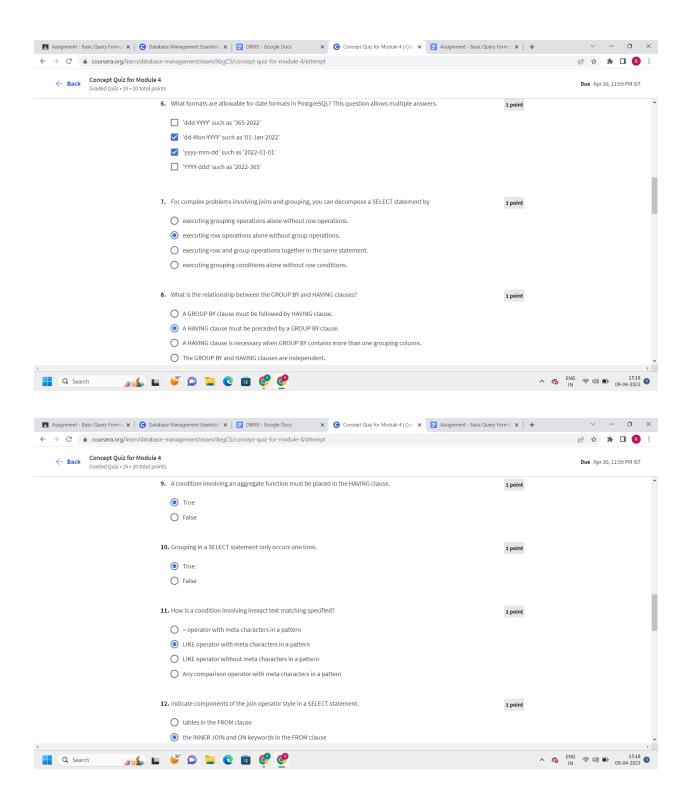
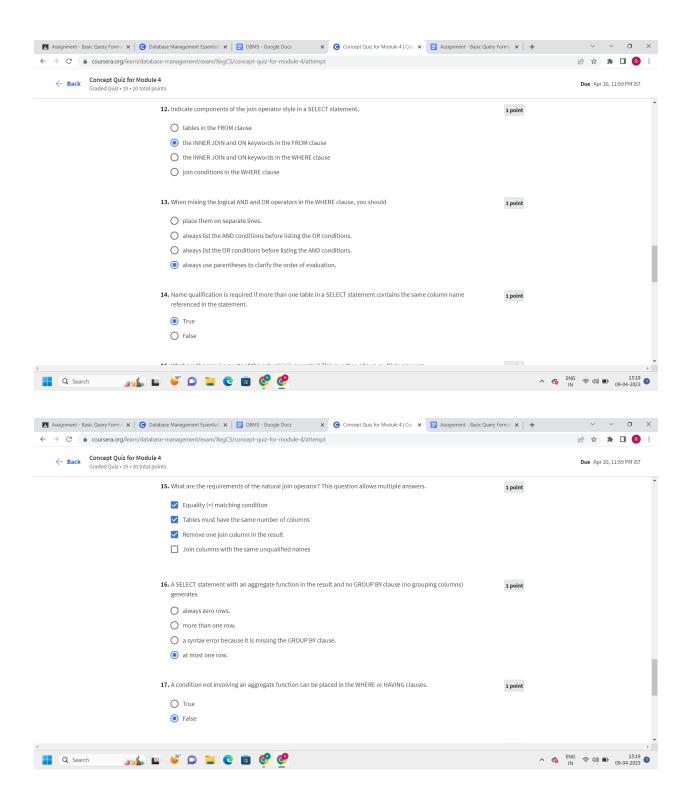
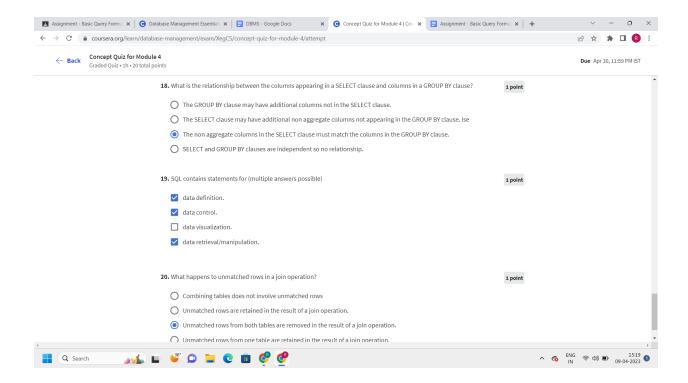
## **Concept Quiz:**









## **Module 4 Assignment:**

1. List the city, state, and zip codes in the customer table. Your result should not have duplicates.

SELECT DISTINCT city, state, zip FROM CUSTOMER;

2. List the name, department, phone number, and email address of employees with a phone number beginning with "3-".

SELECT empname, department, phone, email FROM employee WHERE phone LIKE '3-%';

3. List all columns of the resource table with a rate between \$10 and \$20. Sort the result by rate.

SELECT \* FROM resourcetbl WHERE rate BETWEEN 10 AND 20 ORDER BY rate;

4. List the event requests with a status of "Approved" or "Denied" and an authorized date in July 2022. Include the event number, authorization date, and status in the output.

SELECT eventno, dateauth, status FROM eventrequest WHERE dateauth BETWEEN '01-Jul-2022' AND '31-Jul-2022' AND status IN ('Approved', 'Denied');

5. List the location number and name of locations that are part of the "Basketball arena". Your WHERE clause should not have a condition involving the facility number compared to a constant ("F101"). Instead, you should use a condition on the FacName column for the value of "Basketball arena".

SELECT location.locno, locname FROM facility, location WHERE facname = 'Basketball arena' AND facility.facno = location.facno;

6. For each event plan, list the plan number, count of the event plan lines, and sum of the number of resources assigned. For example, plan number P100 has 4 lines and 7 resources assigned. You only need to consider event plans that have at least one line.

SELECT planno, COUNT(\*) AS "Number of Lines", SUM(resourcecnt) AS "Resource Sum"
FROM eventplanline

GROUP BY planno;

7. For each event plan with a time start in October 2022, list the plan number, count of the event plan lines, and sum of the number of resources assigned. For example, plan number P100 has 4 lines and 7 resources assigned. The result should only contain event plans that have sum of resources of 10 or more. For conditions on columns containing both date and time details, you should include both the date and time for conditions testing end of day.

SELECT planno, COUNT(\*) AS "Number of Lines", SUM(resourcecnt) AS "Resource Sum"

FROM eventplanline
WHERE TimeStart BETWEEN '01-Oct-2022' AND TO\_DATE('31-Oct-2022 23:59',
'DD-Mon-YYYY HH24:MI')
GROUP BY planno
HAVING SUM(resourcecnt) >= 10;