Exercise 4 Belinda Thando Mhlynga

Question | - Inner Jain

Select student-id, sudent-name, grade

FROM students

INNETOIN grade ON student-id = studentid

| Student_ u | student-rame | grade |
|------------|--------------|-------|
| 0 | Bob | B |
| 3 | Charlie | A |
| | | |

2. Left Join

SELECT emp-1d, emp-name, dept-name

FROM employees LEA-JON deparment

on emp-id = emp-id

| Temp-1d | emp-name | dep-name, |
|---------|----------|-----------|
| Gamp-10 | John | Null |
| I | | HR |
| 2 | Lisa | NUL |
| 1 3 | Mike | I MULL |

Exercise 3

SELECT producted, product-rame, quanty FROM products FULLOUTER JUIN Sales ON products id = product_id;

| preduct_id | product - name | quantity |
|------------|----------------|----------|
| 1 | Captop | NUE |
| 2 | Mouse | 50 |
| 3 | Keyboard | Nul |
| 4 | Null | 1 30 |

Gulertian 4

SELECT Order-Id, customerid, amount, Customer name,

> CASE WHEN customer_name IS NULL THEN I Now Customer ELSE 'Returning customer' END AS curomer appe

FRUM orders

LEF JOIN customers ON curomer_id = customer_id

| 1 customer_id | amount | 1 comer-rame | customer-type |
|---------------|--------|--------------|---------------------------------|
| 101 | 500 | Paul | Réturing custone |
| 102 | 300 | Sarah | Returning witomer |
| 105 | O | NULL | New customer |
| | 101 | 101 500 | 101 Sco Paul 102 300 Sarah NILL |

Question 5

SELECT region- id, sum (amount) As notal sales

FROM regions

LEFT JUIN sales ON region - id = region - id

CIRCUP By region-name;

| region - id | region - name | total sales |
|-------------|---------------|-------------|
| 1 | North | 2000 |
| 3 | south | 3500 |
| 2 | East | 0 |

Question 6

SELECT student-id

days _present

CASE WHEN days propert >= 15 THEN Excollent "WHEN days-present >=10 tHEN 'Needs | improvement

ELDE Poor Attendance

END as attendance _status

FROM andorts

UFT JUN attendance ON student-id = student-id;

| | The state of the s | |
|-------------------|--|------------------------------------|
| 2 Bob 3 Chouli | 18 S NULL | Poor Attendance Poor Attendance |

Quertien 7

SELECT preject_id, hane, COUNT (roskild) As routhcount

FROM projects

INNER JOIN touks UN project-icl = project_icl

GROUP BY project-id, pame;

| Project - id 1 | name | tesk'-count |
|----------------|------------|-------------|
| 1 | A1 chatlet | 2 |
| 2 | mebsite | 1 |

Question 8 > ** ** ** ** CICK

SELECT

COALESCE (cust-id, cust-id) AS cust-id, order-tota

return-total

USE WHEN return-total IS NOT NULL Then 'Returned WHEN ELEDLID . IS NOT NULL then ! No equim!

Ese No order History 1

BUD AS refumisations

FROM orders

FULL CLITER JUIN return CH augromerished to recount cust-ul = cust-id

WHERE order_total > 100 OR order_total IS NULL AND WET - Id IS NOT NULL

Question a

SELECT werend, rame , COUNT (wer-id) -AS Legin count

FROM wea

LAFT IN legins ON usor_id = werid GROUP BY wer-id museumon ORDER BY 109m-count DESC !

| User_1d | name | lugin - count |
|---------|-------|---------------|
| 2 | Glone | 2 |
| 3 | Stere | 7 |
| 2 | Nelso | |

810

SELECT teacher_id teacher name

CASE WHEN subject name ISNULL THEN No subject assigned! ELSE subject - name

END AS subject_name_studus

FROM moders LEFT JOIN Subjects ON teacher_id = teacher_id ORDERBY teacher_rame ASC;

| Lachae 1 | e come | |
|--------------|--------------|---------------------|
| toecher - 1d | beacher-name | Subject_name_states |
| 3 | M. Damini | No Subject assigned |
| 1 | Mr Horquane | Math |
| 1 | Mr Honomane | grence |
| 2 | Me Notaba | No Subject assigned |