SQL JOIN Exercise

Question 1 -17/HMER JOIN

Table. students Table. grades

SELECT Student-id, student_name, grade

FROM students AS A. THNER JOIN grades AS B ON A. student-id= B. student-id;

Output.

Student_	id student-n	ane grade
2	Bob	BI
3	charle	A

DUESTION Z -DLEFT JOIN

Table: employees Table. departments

SECECT emp-id, emp-rame, dept-rame

FROM employees AS A LEFT JOIN AS B ON A. emplid = B. emplid; output.

emp-id enp-name dept-name

Question 3 - D FULL OUTER JOIN

Table: products Table. sales

SELECT product-id,

product - names
quantity

FROM products AS A

FUCC ONTER JOIN AS B

ON A. product_id=B. product_id;

produce_1d	product_norms	elquantity
1	Laptop	HULL
2	Mouse	50
3	teyboard 1	MILL
4	Nucle /	30

Advanced Join Practice (Logic + Filtering +
Aggregates)

Question 4 -> LEFT JOIN + CASE

Table. orders

Table. customers

SELECT order_id, costoner-id, amount,

custoner-name

CASE

WHEN BO CUSTOMEY_IN IS MOT MUCH THEN (Returning Customer ! ELSE! New Customer!

END As customer-type

FROM orders AS A

LEFT JOIN 15 B customers AS B

ON A. austoner_id = B. austoner_id;

order_;c	astones - ; d	anour	it customer-new	re oustoner-type
1	101	200	parl	Returning automer
2	102	300	Samah	Returning customes
3	105	0	Hull	New austoney

Question 5: LEFT JOIN + GROUP BY + SUM Table. sales Table. segions SELECT region-1d, region-name, Sun (amount) As total saves LEFT JOIN AS B ON A. region - id = B. region - id GROUP BY B. region - id, region - name; total-sales region-nome ion - ic GOOS 3500 Mult

Question 6-D LEFT JOIN + CASE

Table. students Table. afterdance

SELECT student-id,

days-present

WHEN days-present == 15 THEM Excellent! WHEN days-present BETWEEN 5 AND 14 THEN Needs Improvement WHEN days-present C= 5 THEN poor Attendance ECSE 1 Peo perove 1

EMD AS often dance status

from students AS A LEFT JOIN afterdance #3 B ONA. squaent-Id = B. squaent_Id;

student_id	nane	days-present	afterdance - status
	Mile	18	Excellent
2	BOD	5	Poor Attendance
3	charle	Hull /	No record

QUESTION 7-DIMMER JOIN + COUNT + GROUP BY

Table projects

SECECT project-id, name, count (tast-id) 13 tost-count

FROM projects AS A THNER JOIN Acosts KS B ON A. project—id= B. project—id group By A. project—id, name;

project_id	1	tost-court
100	Al chatbot	
2	website /	

BUESTION 8 -D FALL OUTER JOIN + CASE + WHERE

Table: orders

SECECT wst-id, order-total, return - total

CASE

WHEN return - total 15 NOT MULL THEN (Returned) ECSE (NO perform)

EMD AS return status

FROM orders ors A FULL OUTER JOIN seturnes AS B ON A. aust-id=B. cust-id WHERE order-total > 6000

wst-ic	oxles - total	return total	seturn-status
11	120	20	peruned
12	250	Mul	NO Return
13	100	Hull	10 Return

QUESTION 9 -DLEFT JOIN + COUNT + ON ORDER BY Table, users

SELECT user_id,

Quet (login dale) As Login-count

FROM users AS A LEFT JOIN LOGINE AS B ON A. USER-id = B. USER-id OPDER BY Login- court DESE;

eses_id	name	login_count
2	Harra	2
3	Gioria	
	Steven .	0

user_; d	nane	login-count
2	groria	2
3	steve	
N	relson	0

QUESTION WO -D LEFT JOIN + CASE + ORDERBY

Table, teachers To ble 6 subjects

SELECT teacher - id, teacher_name,

subject rome

COALESCE (subject - name , "No subject Assigned') As subject-name

FROM Keadiers AS A LEFT JOIN subjects ASB ONA. teacher_id = B. teacher_id OFBER By feather-name ASC;

section-	- d teacher-	name subject.	rane
12	per . Hong	waxe maper	
2	Ms. Hotal		_
3	hr. Down	ni ni	

eacher - id	tegaer-name	subject_name
3	plr. planin	No subject Assigned
	Mr. Hongware	matri
1	jur. Hongware	Science
2	Ms. Maba	No subject Assigned