

Exercise 4

1. Select Student id , Student name , grade
from Students
As a Inner Join grades as B on A Student
= B Student - id

Student_id	Student name	Grade
2	Bob	B
3	Charlie	A

2 Select emp_id, emp_name, dept_name
 From employees AS A Left join departments
 AS B on A.emp_id = B.emp_id

Emp_id	emp_name	Department
1	John	null
2	Lisa	HR
3	Mike	null

3. Select product_id, product_name, quantity
 From products AS A
 Full outer join sales AS B
 ON A.product_id = B.product_id

Product_id	product_name	Quantity
1	Laptop	Null
2	Mouse	50
3	Keyboard	Null
4	Null	50

4. Select order_id, customer_id, amount, customer_name
 From orders AS A left join customers
 AS B on A.customer_id = B.customer_id
~~customer~~
~~Customer~~

Order_id	Customer_id	Customer_name	Amount
1	101	Paul	500
2	102	Sarah	300
3	103	null	0

5. Select, region_id, sum(amount) as total sales
 From sales
 Group by region_id

6. Select, region_id, sum(amount) as total sales
 From sales AS A left join region
~~left join AS B on A.region_id = B.region_id~~
 Group by region_id,
 Order by region_id;

Region	Region name	total sales
1	North	2000
2	South	3500

6. Select student_id, name, days_present
 From students AS A left join attendances
 AS B on A.student_id = B.student_id
 Case

when days_present < 5 then Poor attendance
 when days_present is between 5-19 then Needs improvement

When days_present is equal to 19 or greater than 19 then Excellent
 End as attendance status

Student id	Name	Days_present	Attendance
1	Alice	18	Excellent
2	Bob	5	Pur attendance
3	Charlie	Null	Null

7 Select project id, name, count (task id) as task count

From projects

AS A Inner Join ~~project~~ tasks AS B on project A
 project_id = B project id
 Group by project id, name;

Project name id	Name	task count
1	AI chatbot	2
2	website	1

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