

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 ~~name~~ 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
~~Case~~
 Cusid

Order id	customer id	customer name	Amount
1	101	Paul	500
2	102	Garah	300
3	103	null	0

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

5. 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 5-10 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	Poor 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~~^{task_id} = B project_id

Group by project id, name;

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