SQL DATA ANALYSIS PROJECT

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1. Find all doctors who have treated a patient for "Diabetes."

SELECT

d.doctor_id,fname,lname,gender,lllness,Patient_I D FROM doctor d

JOIN worker w ON d.D_Worker_ID = w.Worker_ID

JOIN diagnosis de ON de.doctor_id = d.doctor_id

where illness = 'Diabetes'



#2. List the details of all patients who have been prescribed "B205."

SELECT * FROM patient p

where m.Medication ID = 'B205'

JOIN medication_prescribed mp ON p.patient_id = mp.patient_id JOIN medication m on mp.Medication_ID = m.Medication_ID



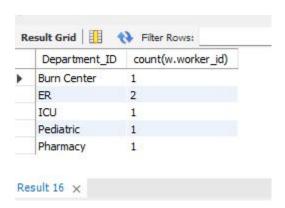
#3. Find the total number of workers in each department.

SELECT d.Department_ID,count(w.worker_id)
FROM department d

JOIN doctor doc on d.Department_ID =
doc.Depar tment_ID

JOIN worker w on doc.D_worker_id =
w.Worker_ID

GROUP by d.Department_ID

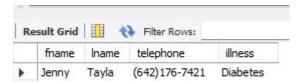


#4. Retrieve the names and phone numbers of all patients who have been diagnosed with "Diabetes."

SELECT p.fname,p.lname,p.telephone,d.illness FROM patient p

JOIN diagnosis d on p.patient_id = d.patient_id

WHERE d.illness = 'Diabetes'

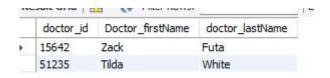


#5. Get the names and IDs of all doctors who work in the "ER" department.

SELECT d.doctor_id,w.fname as Doctor_firstName, w.lname as doctor_lastName FROM doctor d

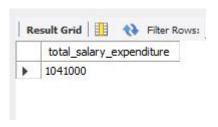
JOIN worker w on w.Worker_ID = d.D_Worker_ID

WHERE d.department_id = 'ER'



7. Find the total salary expenditure for all workers.

SELECT sum(salary) as total_salary_expenditure FROM worker;



#8. List all cafeteria staff along with their job position and the food type served in their assigned cafeteria.

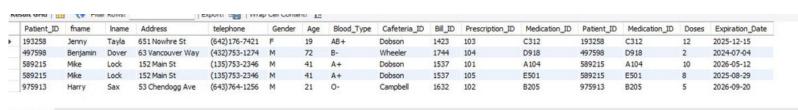
SELECT cs.Staff_ID,s.Job_Title,cs.Position,c.Food_Type FROM cafeteria_staff cs

#9. Show details of patients along with the medication they are prescribed, even if no medication has been prescribed.

SELECT * FROM patient p

LEFT join medication_prescribed mp ON
p.patient_id = mp.Patient_ID

LEFT join medication m on mp.Medication_ID =
m.Medication_ID



#10.Find the average age of patients diagnosed with "Flu."

SELECT * FROM patient p

JOIN diagnosis d on p.Patient_ID = d.Patient_ID

where d.Illness = 'Flu'

