

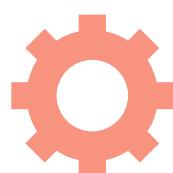


# SQL Data Analyst Project Health Care

# 1. Find all doctors who have treated a patient for “Diabetes.”

```
1 • select
2   doctor.doctor_id,
3   worker.fname,
4   worker.lname,
5 ✘ diagnosis.illness
6   from worker
7   JOIN
8   doctor ON doctor.D_Worker_ID = worker.worker_id
9   JOIN
10  diagnosis ON diagnosis.doctor_id = doctor.doctor_id
11 WHERE
12  illness = 'Diabetes';
```

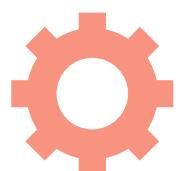
	doctor_id	fname	lname	illness
	51235	Tilda	White	Diabetes



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

```
select patient.patient_id,patient.fname, patient.lname,patient.telephone,patient.Address, MEDICATION_PRESCRIBED.Medication_ID  
from patient INNER JOIN MEDICATION_PRESCRIBED  
ON MEDICATION_PRESCRIBED.patient_id = patient.patient_id  
WHERE Medication_ID = 'B205';
```

patient_id	fname	lname	telephone	Address	Medication_ID	
975913	Harry	Sax	(643)764-1256	53 Chendogg Ave	B205	

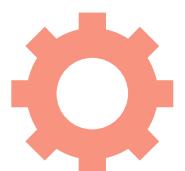


### 3. Find the total number of workers in each department.

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

```
select * from department;
```

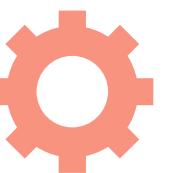
Department_ID	Workers	Building_Location
Burn Center	15	Campbell
ER	32	Dobson
ICU	20	Dobson
Pediatric	26	Wheeler
Pharmacy	8	Wheeler



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

```
select patient.patient_id,patient.fname,patient.lname,patient.telephone  
from patient  
JOIN DIAGNOSIS ON patient.patient_id = DIAGNOSIS.patient_id  
WHERE illness = 'Diabetes';
```

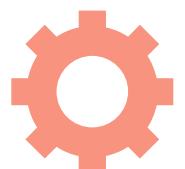
patient_id	fname	lname	telephone
193258	Jenny	Tayla	(642)176-7421



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

```
SELECT doctor.doctor_id, WORKER.fname,WORKER.lname,department.department_id  
FROM worker  
JOIN doctor  
ON worker.worker_id = doctor.d_worker_id  
JOIN department  
ON doctor.Department_ID = department.department_id  
WHERE department.department_id = 'ER';
```

doctor_id	fname	lname	department_id
15642	Zack	Futa	ER
51235	Tilda	White	ER

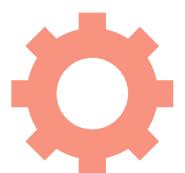


## 6.Find the total salary expenditure for all workers.

```
#6.Find the total salary expenditure for all workers.
```

```
select sum(salary) AS Total_Salary from WORKER;
```

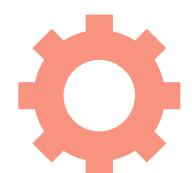
Total_Salary
1041000



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

```
select Cafeteria_Staff.staff_id,STAFF.job_title,Cafeteria_Staff.position,CAFETERIA.food_type  
FROM CAFETERIA JOIN Cafeteria_Staff  
ON CAFETERIA.Cafeteria_ID = Cafeteria_Staff.Cafeteria_ID  
JOIN STAFF ON Cafeteria_Staff.staff_id = staff.staff_id  
WHERE Job_Title = 'cafeteria staff';
```

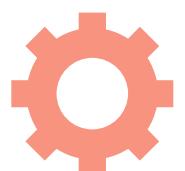
staff_id	job_title	position	food_type
12	Cafeteria Staff	Cook	Lunchables
1834	Cafeteria Staff	Server	Mash Potatoes



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

```
select Cafeteria_Staff.staff_id,STAFF.job_title,Cafeteria_Staff.position,CAFETERIA.food_type  
FROM CAFETERIA JOIN Cafeteria_Staff  
ON CAFETERIA.Cafeteria_ID = Cafeteria_Staff.Cafeteria_ID  
JOIN STAFF ON Cafeteria_Staff.staff_id = staff.staff_id  
WHERE Job_Title = 'cafeteria staff';
```

staff_id	job_title	position	food_type
12	Cafeteria Staff	Cook	Lunchables
1834	Cafeteria Staff	Server	Mash Potatoes



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

```
#10.Find the average age of patients diagnosed with "Flu.  
SELECT AVG(AGE) FROM patient p  
JOIN DIAGNOSIS d  
ON p.patient_id = d.patient_id  
WHERE illness = 'FLU';
```

AVG(AGE)
41.0000

