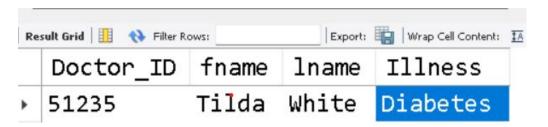
SQL Data Analyst Projects

By SANDIP SHRESTHA

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

```
SELECT
  d.Doctor_ID, fname, Iname, Illness
FROM
  doctor AS d
    INNER JOIN
  worker AS w ON d.D Worker ID = w.Worker ID
    INNER JOIN
  diagnosis AS di ON d.Doctor_ID = di.Doctor_ID
WHERE
  Illness = 'Diabetes';
```



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



JOIN

medication AS me ON me.Medication_ID =

medication_prescribed AS m ON p.Patient_ID =

medication AS me UN me.Medication_ID = m.Medication_ID

WHERE

m.Medication_ID = 'B205';

JOIN

m.Patient_ID

3. Find the total number of workers in each department

```
SELECT
 de.Department_ID, COUNT(*) AS total_workes
FROM
 worker AS w
   JOIN
 doctor AS d ON w.Worker_ID = d.D_Worker_ID
   JOIN
 department de ON d.Department_ID =
de.Department_ID
GROUP BY de.Department_ID;
```

	Department_ID	total_workes
Þ	Burn Center	1
	ER	2
	ICU	1
	Pediatric	1 .
	Pharmacy	1

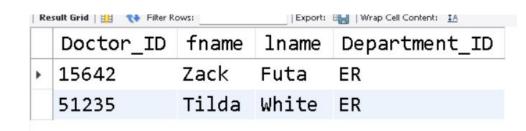
4. Retrieve the names and phone numbers of all patients who have been diagnosed with "Diabetes."

```
SELECT
  p.fname,p.lname,p.telephone,d.lllness
FROM
  patient AS p
    JOIN
  diagnosis AS d ON p.Patient_ID = d.Patient_ID
WHERE
  d.Illness = 'Diabetes';
```



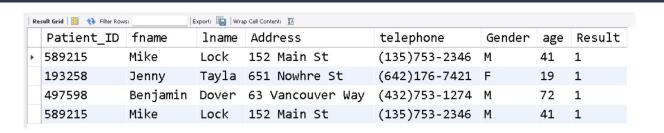
5. Get the names and IDs of all doctors who work in the "ER" department.

```
SELECT
  d.Doctor_ID, w.fname, w.lname, d.Department_ID
FROM
  doctor AS d
   JOIN
  worker AS w ON d.D Worker ID = w.Worker ID
WHERE
 d.Department_ID = 'ER';
```



6 .List all patients who had a test conducted with a positive result (Result = 1).

```
SELECT
 p.Patient_ID,
 p.fname,
 p.lname,
 p.Address,
 p.telephone,
 p.Gender,
 p.age,
 t.Result
FROM
 patient AS p
    JOIN
 tests AS t ON p.Patient_ID = t.Patient_ID
WHERE t.Result = 1;
```



7. Find the total salary expenditure for all workers.

SELECT

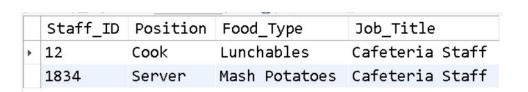
SUM(salary) AS total_salary

FROM worker;

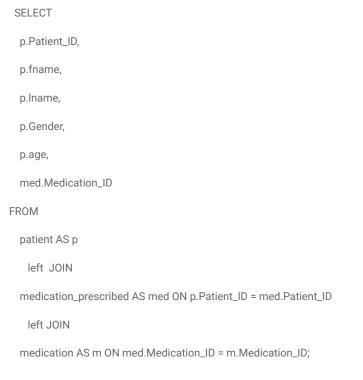


8. List all cafeteria staff along with their job position and the food type served in their assigned cafeteria.

```
SELECT
  cs.Staff_ID, cs.Position, c.Food_Type,
s.Job Title
FROM
  cafeteria staff AS cs
    JOIN
  cafeteria AS c ON cs.Cafeteria ID =
c.Cafeteria ID
    JOIN
  staff AS s ON cs.Staff_ID = s.Staff_ID;
```



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



Result Grid III 🛟 Filter Rows: Export: 🖫 Wirap Cell Content: 🔣								
	Patient_ID	fname	lname	Gender	age	Medication_ID		
٠	193258	Jenny	Tayla	F	19	C312		
	497598	Benjamin	Dover	M	72	D918		
	589215	Mike	Lock	М	41	A104		
	589215	Mike	Lock	М	41	E501		
	975913	Harry	Sax	М	21	B205		

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

Export:

```
SELECT d.Illness
                                         Result Grid
                                                      Filter Rows:
 ,round(AVG(age) ,2)AS avg_patients
                                                             avg_patients
                                             Illness
FROM
                                            Flu
                                                             41.00
 patient AS p
   JOIN
 diagnosis AS d ON p.Patient_ID = d.Patient_ID
WHERE
 d.Illness = 'FLU'
 group by d.Illness;
```