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

```
SELECT d.Doctor_ID, fname, lname, gender, Illness, Patient_ID FROM doctor as d
JOIN worker as W
ON d.D_Worker_ID = w.Worker_ID
JOIN diagnosis as de ON de.Doctor_ID = d.Doctor_ID
WHERE illness = 'Diabetes';
```

	Doctor_ID	fname	Iname	gender	Illness	Patient_ID
•	51235	Tilda	White	F	Diabetes	193258

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

```
SELECT * FROM patient AS p

JOIN medication_prescribed as mp ON p.Patient_ID = mp.Patient_ID

JOIN medication as m on mp.Medication_ID = m.Medication_ID

WHERE m.Medication_ID = 'B205'
```

	Patient_ID	fname	Iname	Address	telephone	Gender	Age	Blood_Type	Cafeteria_ID	Bill_ID	Prescription_ID	Medication_ID	Patient_ID	Medication_ID	Doses	Expiration_Date
•	975913	Harry	Sax	53 Chendogg Ave	(643)764-1256	М	21	0-	Campbell	1632	102	B205	975913	B205	5	2026-09-20

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

```
SELECT d.Department_ID, count(w.Worker_id) FROM department as d
JOIN doctor AS doc on d.Department_ID = doc.Department_ID
JOIN worker AS W on doc.D_Worker_id = w.Worker_ID
GROUP BY d.Department_ID;
```

	Department_ID	count(w.Worker_id)
•	Burn Center	1
	ER	2
	ICU	1
	Pediatric	1
	Pharmacy	1

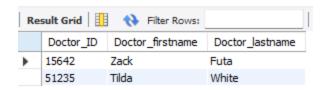
-- 4. Retrieve the names and phone numbers of all patients who have been diagnosed with 'Diagnosed'

```
SELECT p.fname, p.lname, p.telephone from patient AS p
JOIN diagnosis AS d on p.patient_Id = d.Patient_ID
WHERE d.illness = 'Diabetes'
```

	fname	Iname	telephone
•	Jenny	Tayla	(642) 176-7421

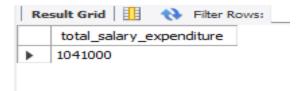
-- 5. Get the names and IDs of all doctors who work in the "ER" department

```
SELECT d.Doctor_ID, w.fname as Doctor_firstname, w.lname as Doctor_lastname FROM doctor AS d
JOIN worker AS w on w.worker_id = d.D_worker_id
WHERE d.department_id = "ER";
```



--6. Find the total salary expenditure for all workers,

SELECT SUM(salary) AS total\_salary\_expenditure FROM worker



-- 7. List all cafeteria staff along with their job positions and the food type served in their assigned cafeter

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

JOIN staff AS S

ON s.Staff_ID = cs.Staff_ID

JOIN cafeteria AS C

ON cs.cafeteria_ID = c.Cafeteria_ID
```

	Staff_ID	Job_Title	Food_Type	Position
•	12	Cafeteria Staff	Lunchables	Cook
	1834	Cafeteria Staff	Mash Potatoes	Server

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

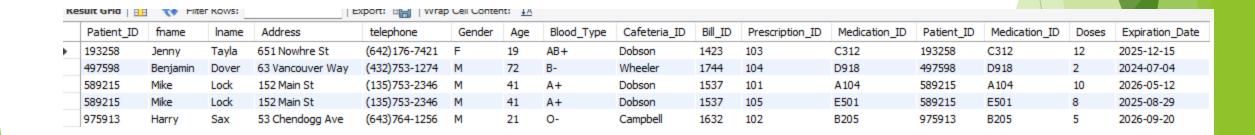
```
SELECT * FROM patient as p

LEFT JOIN medication_prescribed as mp

ON mp.patient_id = p.patient_id

LEFT JOIN medication as m

ON mp.Medication_ID = m.Medication_ID
```



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

```
JOIN diagnosis AS d

on p.patient_id = d.patient_ID

WHERE d.illness = 'Flu'
```

Re	sult Grid	()	Filter Rows:		Export:	Wrap	Cell Con	tent: ‡A					
	Patient_ID	fname	Iname	Address	telephone	Gender	Age	Blood_Type	Cafeteria_ID	Bill_ID	Illness	Doctor_ID	Patient_ID
)	589215	Mike	Lock	152 Main St	(135)753-2346	M	41	A+	Dobson	1537	Flu	12365	589215