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

```sql
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	lname	gender	Illness	Patient_ID
51235	Tilda	White	F	Diabetes	193258

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

```sql
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	lname	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	M	21	O-	Campbell	1632	102	B205	975913	B205	5	2026-09-20

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

```sql
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 'Diabetes'

```sql
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	lname	telephone
Jenny	Tayla	(642)176-7421

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

```sql
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";
```

Doctor_ID	Doctor_firstname	Doctor_lastname
15642	Zack	Futa
51235	Tilda	White

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

SELECT SUM(salary) AS total_salary_expenditure FROM worker

Result Grid	Filter Rows:
total_salary_expenditure
1041000

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

```sql
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;

```sql
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
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Patient_ID	fname	lname	Address	telephone	Gender	Age	Blood_Type	Cafeteria_ID	Bill_ID	Prescription_ID	Medication_ID	Patient_ID	Medication_ID	Doses	Expiration_Date
193258	Jenny	Tayla	651 Nowhre St	(642)176-7421	F	19	AB+	Dobson	1423	103	C312	193258	C312	12	2025-12-15
497598	Benjamin	Dover	63 Vancouver Way	(432)753-1274	M	72	B-	Wheeler	1744	104	D918	497598	D918	2	2024-07-04
589215	Mike	Lock	152 Main St	(135)753-2346	M	41	A+	Dobson	1537	101	A104	589215	A104	10	2026-05-12
589215	Mike	Lock	152 Main St	(135)753-2346	M	41	A+	Dobson	1537	105	E501	589215	E501	8	2025-08-29
975913	Harry	Sax	53 Chendogg Ave	(643)764-1256	M	21	O-	Campbell	1632	102	B205	975913	B205	5	2026-09-20

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

```sql
SELECT * FROM patient as p
JOIN diagnosis AS d
on p.patient_id = d.patient_ID
WHERE d.illness = 'Flu'
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Patient_ID	fname	lname	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