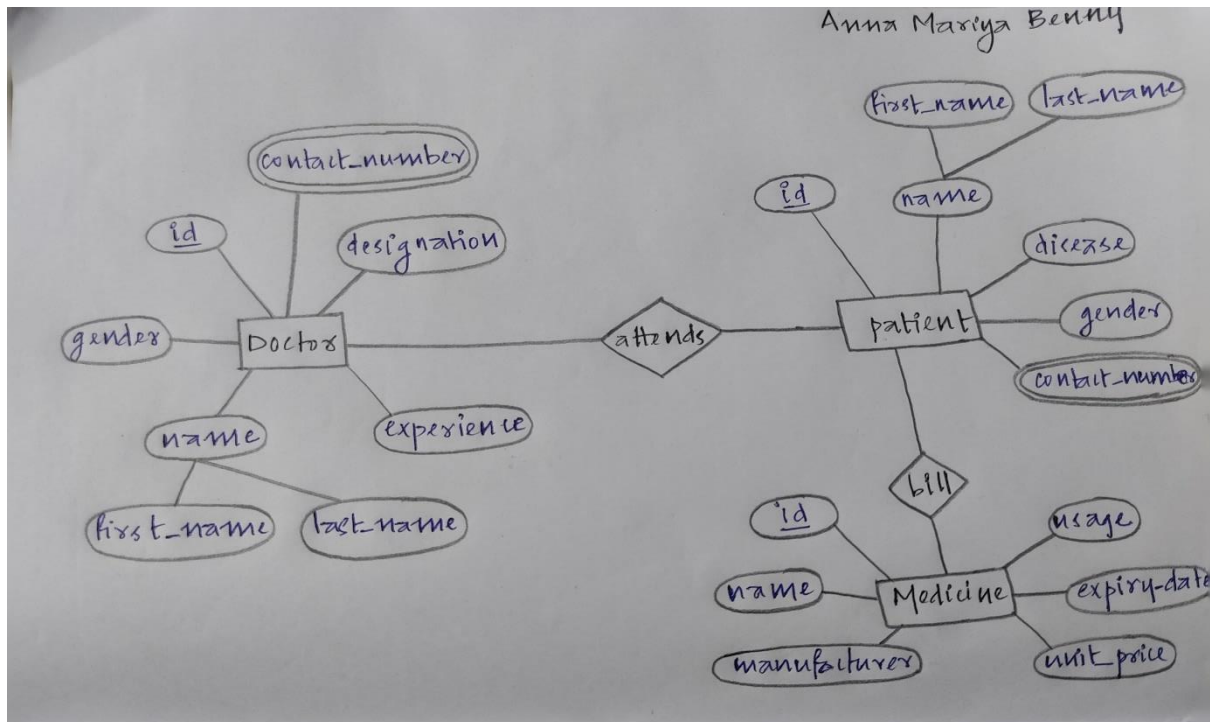


## 1. ER diagram for Hospital Management System



## 2. Write a Select query with and without conditions.

pgAdmin 4 interface showing a SQL query and its results.

**Query:**

```

1 SELECT first_name, last_name, designation
2 FROM public."Doctor" where designation='Pediatrician' ;
    
```

**Data Output:**

	first_name	last_name	designation
1	Daisy	Oen	Pediatrician
2	Hillier	Thomke	Pediatrician
3	Elana	Sandercock	Pediatrician
4	Linnet	Fleis	Pediatrician
5	Lauritz	Skune	Pediatrician
6	Sawyer	Baynes	Pediatrician
7	Robby	Raun	Pediatrician
8	Nathanil	Grewar	Pediatrician
9	Dolph	Izakovitz	Pediatrician
10	Tabatha	Etoile	Pediatrician
11	Atlante	Skitteral	Pediatrician
12	Con	Gras	Pediatrician
13	Morgen	Eilhertsen	Pediatrician

Total rows: 42 of 42    Query complete 00:00:00.058    Ln 1, Col 41

pgAdmin 4

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Hospital management system/postgres@PostgreSQL 16

Query

```

1 SELECT first_name, last_name
2 FROM public."Doctor";

```

Data Output

	first_name character varying (60)	last_name character varying (60)
1	Daisy	Oen
2	Hillier	Thomke
3	Torie	Grebart
4	Rose	Whayman
5	Vilma	Canwell
6	Mia	Carless
7	Costa	Gai
8	Elana	Sandcock
9	Rog	Renison
10	Linnet	Fleis
11	Abby	Fenimore
12	Ly	MacGuigan
13	Aldo	McTear
14	Olly	Clowser

Total rows: 350 of 350 Query complete 00:00:00.070 Ln 1, Col 29

### 3. Write an insert query to add new data for all the tables.

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Hospital management system/postgres@PostgreSQL 16

Query

```

1 INSERT INTO public."Doctor"(
2   id, first_name, last_name, designation, gender, experience, contact_number)
3 VALUES ('1', 'Anna', 'Benny', 'Pediatrician', 'Female', '10', '9539100000');

```

Data Output

No data output. Execute a query to get output.

Servers > PostgreSQL 16 > Databases > Hospital management system > Schemas > public > Tables > Doctor Ln 1, Col 1

pgAdmin 4

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Query

Query History

Scratch Pad

Data Output Messages Notifications

	id [PK] integer	first_name character varying (60)	last_name character varying (60)	designation character varying (60)	gender character varying (20)	experience integer	contact_number bigint
1	1	Anna	Benny	Pediatrician	Female	10	9539100000
2	10667	Valina	Scheffler	Gynecologist	Female	12	9309316936
3	10986	Hirsch	Suckling	Radiologist	Genderfluid	1	7408221376
4	11172	Moselle	Vobes	Orthopedic Surgeon	Female	2	6437349390
5	11506	Ly	MacGuigan	Chief Surgeon	Male	7	8084618743
6	11854	Bruis	Vital	Chief Surgeon	Male	4	6851570311
7	12107	Tynan	Astles	Pediatrician	Male	25	8216336447
8	12624	Raimondo	Grocutt	Dermatologist	Male	6	8448093934
9	12635	Holli	McSkeagan	Dermatologist	Female	24	8088618709
10	12996	Keefe	McGlone	Orthopedic Surgeon	Male	5	8639858944
11	13446	Rosy	Rany	Dermatologist	Female	17	8301739477
12	13648	Dylan	Teece	Cardiologist	Male	14	7200152760
13	14289	Liana	Kollasch	Radiologist	Female	2	7363545909
14	14408	Izaak	Tissell	Dermatologist	Male	3	6634964079
15	14646	Josselyn	Kemme	Radiologist	Genderfluid	18	7023366408
16	15000	Anna	Benny	Pediatrician	Female	10	9539180000

Servers > PostgreSQL 16 > Databases > Hospital management system > Schemas > public > Tables > Doctor

Ln 1, Col 1

#### 4. Write an Delete query to delete any existing data for all the tables.

pgAdmin 4

File Object Tools Help

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Query

Query History

```

1 DELETE FROM public."Medicine"
2 WHERE usage='Insomnia';

```

Data Output Messages Notifications

DELETE 16

Query returned successfully in 38 msec.

Servers > PostgreSQL 16 > Databases > Hospital management system > Schemas > public > Tables > Medicine

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pgAdmin 4

File Object Tools Help

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Query

Query History

Data Output Messages Notifications

	id [PK] integer	name character varying (60)	manufacturer character varying (60)	usage character varying (60)	expiry_date character	unit_price integer
1	1	Imodium	Bristol-Myers Squibb	Arthritis	07/01/2027	119
2	3	Claritin	Allergan	Depression	11/06/2025	54
3	4	Desitin	Sanofi	Allergies	07/04/2025	156
4	5	NyQuil	Allergan	Osteoporosis	23/06/2024	96
5	6	Excedrin	Mylan	Chronic Kidney Disease	11/05/2027	155
6	7	Pepto-Bismol	Gilead Sciences	Asthma	22/12/2024	111
7	8	Gas-X	Novartis	Osteoporosis	21/07/2025	85
8	9	Mucinex	Pfizer	Migraine	25/08/2026	198
9	10	Alka-Seltzer	Roche	Arthritis	16/04/2024	16
10	11	Rolaids	Novartis	Hypertension	15/06/2027	31
11	12	Claritin	Allergan	Stroke	12/12/2025	179
12	13	Alka-Seltzer	GlaxoSmithKline	Anxiety	22/03/2026	99
13	15	Prilosec	AbbVie	Gastritis	12/03/2027	130
14	16	Sudafed	Bristol-Myers Squibb	Heart Disease	23/03/2025	83
15	17	Desitin	Allergan	Allergies	14/09/2025	175
16	18	Desitin	AstraZeneca	Osteoporosis	07/04/2024	138
17	19	Zyrtec	Johnson & Johnson	Stroke	02/03/2026	79

Servers > PostgreSQL 16 > Databases > Hospital management system > Schemas > public > Tables > Medicine

Ln 1, Col 1

## 5. Write an Update query to update any existing data for all the tables.

pgAdmin 4

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Query

Query History

```

1 UPDATE public."Patient"
2 SET contact_number='999999999'
3 WHERE id='3';

```

Data Output Messages Notifications

UPDATE 1

Query returned successfully in 39 msec.

Servers > PostgreSQL 16 > Databases > Hospital management system > Schemas > public > Tables > Patient

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pgAdmin 4

File Object Tools Help

Object Explorer

- FTS Dictionaries
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Query

Query History

Data Output Messages Notifications

	id [PK] integer	first_name character varying (60)	last_name character varying (60)	disease character varying (60)	gender character varying (60)	contact_number bigint
1	1	Nessa	Eustice	Asthma	Female	8743862008
2	2	Shari	Ginnaly	Diabetes	Female	8931060816
3	3	Annamaria	Priestman	Chronic Kidney Disease	Bigender	9000000000
4	4	Danica	Emmitt	Obesity	Female	8493639312
5	5	Terrel	Larderot	Obesity	Male	8989051393
6	6	Hillier	Proberts	Alzheimer's	Male	7691943989
7	7	Carlynn	Finker	Gastritis	Female	7154599186
8	8	Serene	Billo	Migraine	Female	6691570234
9	9	Catherina	Gobbett	Diabetes	Female	9108687041
10	10	Hestia	Farnworth	Depression	Female	6449277223
11	11	Fields	Jurisch	Hypertension	Male	8788534184
12	12	Beverie	Stivers	Bronchitis	Female	8729109920
13	13	Cherin	Headly	Hypertension	Female	8935898770
14	14	Almeria	Dondon	Alzheimer's	Female	9469470507
15	15	Natividad	Greatrakes	Obesity	Non-binary	8431470552
16	16	Larry	Thorbon	Hypertension	Male	9508713158

Servers > PostgreSQL 16 > Databases > Hospital management system > Schemas > public > Tables > Patient

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