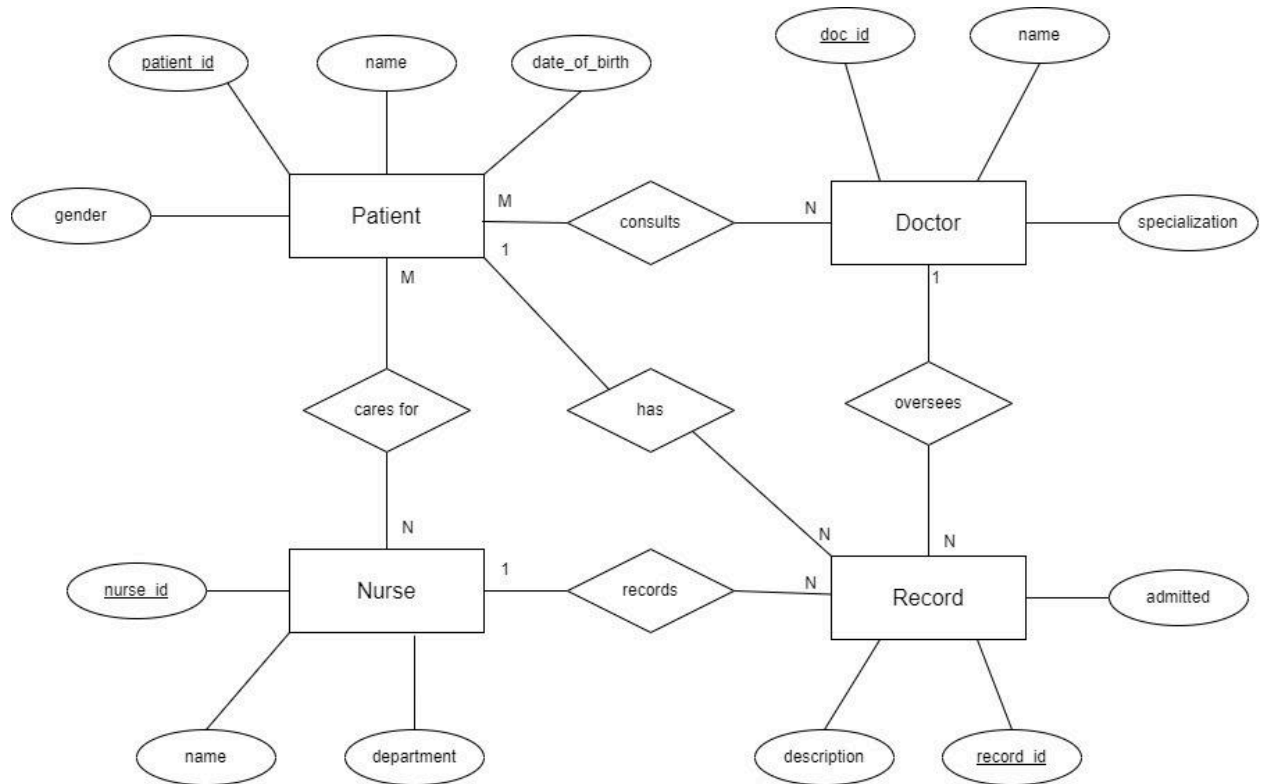


DATABASE TASK

ER diagram



Tables

- Patient
- Doctor
- Nurse
- Record

Input

Table creation

```
Create Table Patient(  
    patient_id varchar(30) PRIMARY KEY,  
    name varchar(30),  
    dob date,  
    gender varchar(20)  
);  
  
Create Table Doctor(  
    doctor_id varchar(30) PRIMARY KEY,  
    name varchar(30),  
    specialization varchar(30)  
);  
  
Create Table Nurse(  
    nurse_id varchar(30) PRIMARY KEY,  
    name varchar(50),  
    department varchar(30)  
);  
  
Create Table Record(  
    record_id varchar(30) PRIMARY KEY,  
    patient_id varchar(30) REFERENCES Patient(patient_id),  
    description varchar(1000),  
    admitted varchar(3)  
);
```

Data insertion

Note: Only a fraction of the insertion statements have been included. For seeing the whole input, please refer to the script file

Patient

```
insert into Patient (patient_id, name, dob, gender) values  
('6VT7A21JD43', 'Sadye Barthelmes', '07/01/1981', 'Genderqueer');  
insert into Patient (patient_id, name, dob, gender) values  
('6HV0NF0AH77', 'Kienan Kanzler', '04/14/1985', 'Male');  
insert into Patient (patient_id, name, dob, gender) values  
('1F74XP4EN92', 'Saunder Brunton', '12/04/2003', 'Male');
```

Doctor

```
insert into Doctor (doctor_id, name, specialization) values
('1305663268', 'Corella Bees', 'Endocrinology');
insert into Doctor (doctor_id, name, specialization) values
('1322207127', 'Gelya Poker', 'Cardiology');
insert into Doctor (doctor_id, name, specialization) values
('0465378595', 'Phil Job', 'Endocrinology');
```

Nurse

```
insert into Nurse (nurse_id, name, department) values ('f9H3Ak',
'Gearalt Strapp', 'Psychiatry');
insert into Nurse (nurse_id, name, department) values ('qtN3X3',
'Laverna Adanez', 'Orthopedics');
insert into Nurse (nurse_id, name, department) values ('pesya1',
'Emylee July', 'Psychiatry');
```





Record

```
insert into Record (record_id, patient_id, description, admitted)
values ('H3vSxl50NvEDz4Ys72h4', '1YY8MC6QK09', 'Nullam sit amet turpis
elementum ligula vehicula consequat. Morbi a ipsum. Integer a nibh.',
'no');
insert into Record (record_id, patient_id, description, admitted)
values ('SqY2f90D4R469KwVkTys', '8CF4R94EV42', 'Morbi non lectus.
Aliquam sit amet diam in magna bibendum imperdiet. Nullam orci pede,
venenatis non, sodales sed, tincidunt eu, felis.', 'no');
insert into Record (record_id, patient_id, description, admitted)
values ('Exbxp8IEo2P8ge8OlDB4', '6WJ7TG9HN18', 'In congue. Etiam justo.
Etiam pretium iaculis justo.', 'yes');
```

Queries and Output




1

```
select * from patient;
```

	patient_id [PK] character varying (30) 	name character varying (30) 	dob date 	gender character varying (20) 
1	6VT7A21JD43	Sadye Barthelmes	1981-07-01	Genderqueer
2	6HV0NF0AH77	Kienan Kanzler	1985-04-14	Male
3	1F74XP4EN92	Saunder Brunton	2003-12-04	Male
4	8NV6KJ3WW38	Fons Mewes	1984-11-26	Male
5	5KV2PK9NU87	Grenville Swoffer	1973-09-30	Male
6	8C02A31HF57	Bidget Aicken	1983-01-18	Bigender
7	4V20VX4WQ29	Bette Dutchburn	1971-12-13	Polygender
8	1V04KT0TU96	Constancia Rikard	2005-05-20	Genderqueer
9	8VE1DC7HM58	Loren Swindle	1999-02-15	Female
10	8J17GT8GX65	Cariotta Cunnell	2013-01-09	Female
11	9W73NT4HE40	Vasili Seleway	2008-10-03	Male
12	5WX4C14FP20	Peggy Foffano	1987-12-02	Bigender
13	3AP5RF8FY12	Jamesy Worsfold	1981-11-10	Male
14	3VH3XA6NK25	Donnell Graalman	1998-11-05	Male
15	9Y10CG0RE18	Herbert Malkin	1998-06-19	Male
16	3V05FC1PN01	Iosep Angrave	1978-11-05	Polygender
17	3XC8KY5RU46	Ettore Gilder	1994-10-31	Male
18	6W19GV0AG63	Alasteir Varne	2019-01-30	Male
19	8F24Y61GY06	Blake Klimschak	1999-08-18	Female
20	6G05P63GN00	Karl Danick	1981-09-11	Male
21	8PP6Y68QA09	Carol-jean Cator	1978-02-18	Female
22	6P85K91YG72	Felipe Baglin	2004-04-27	Male
23	2PM7ND5EW04	Lorrayne Benardet	2010-12-09	Female
24	6K00CV4WU16	Leanne LIT	2010-07-09	Male
Total rows: 1000 of 1000		Query complete 00:00:00.092		

2

```
select *
from Doctor
where department like 'Cardiology';
```

	doctor_id [PK] character varying (30) 	name character varying (30) 	specialization character varying (30) 
1	1322207127	Gelya Poker	Cardiology
2	1115357875	Joellen Lowes	Cardiology
3	5453181656	Crissy Overstreet	Cardiology
4	9492651629	Arny Hammill	Cardiology
5	5903922430	Kalinda Jowitt	Cardiology
6	0312189877	Paquito Huxham	Cardiology
7	6264672173	Duke Seeborne	Cardiology
8	0629274002	Nester McOrkil	Cardiology
9	5538214761	Angeli Wein	Cardiology
10	6426715387	Byram Korpall	Cardiology
11	5921551333	Trumaine Rummin	Cardiology
12	5997077950	Karin Fitzsimon	Cardiology
13	8203737366	Roxanna Segot	Cardiology
14	9257564762	Denise Klammt	Cardiology
15	3203299267	Nike Bramsom	Cardiology
16	3969630029	Gerhardine Howe	Cardiology
17	1870119975	Elita Walwood	Cardiology
18	4491020361	Caterina Daintier	Cardiology
19	6041335010	Enid Wholesworth	Cardiology
20	3872300997	Gerti Rookeby	Cardiology
21	4357710677	Madelle Gergher	Cardiology
22	9646757715	Cord Clemenzi	Cardiology
23	0697959120	Helaine Fritchley	Cardiology
Total rows: 30 of 30		Query complete 00:00:00.178	

3

```
select P.patient_id,record_id, name, dob, gender, description, admitted
from patient as P,record as R
where P.patient_id = R.patient_id;
```

	patient_id character varying (30)	record_id character varying (30)	name character varying (30)	dob date	gender character varying (20)	description character varying (1000)
1	1YY8MC6QK09	H3vSxI50NvEDz4Ys72h4	Kenneth Surcombe	1977-10-07	Male	Nullam sit amet turpis elementum ligula vehicula consequat. Morbi a ipsum. Integer a nibh.
2	8CF4R94EV42	SqY2f90D4R469KwVtYs	Sydney Crowter	2000-11-23	Male	Morbi non lectus. Aliquam sit amet diam in magna bibendum imperdiet. Nullam orci pede, venenatis nor
3	6WJ7TG9HN18	Exbpx8IEo2P8ge8OIDB4	Ivie Trippack	1983-10-29	Female	In congue. Etiam justo. Etiam pretium iaculis justo.
4	1JQ8MM8VF82	oG5svFeSyoH4DNaWQR...	Jena Langtry	2022-04-21	Female	Nullam porttitor lacus at turpis. Donec posuere metus vitae ipsum. Aliquam non mauris.
5	6U76FY5VP00	19JEHsr4Q6W61B4VW6...	Jenn McAster	1981-07-10	Female	Phasellus in felis. Donec semper sapien a libero. Nam dui.
6	6RX9X92DX96	FOKo9LA41g1bXjhz9H5S	Marylinda Lambal	1984-05-20	Female	Proin eu mi. Nulla ac enim. In tempor, turpis nec euismod scelerisque, quam turpis adipiscing lorem, vita
7	4EK8HQ2EQ85	BVnK7ccy14rKbXjS1Y0o	Cary Sandland	1980-04-18	Female	Sed sagittis. Nam congue, risus semper porta volutpat, quam pede lobortis ligula, sit amet eleifend pede
8	7FASMU7VD21	J9L4f718c0TD8dz1gW2h	Phillippa Rops	1969-03-07	Female	Donec diam neque, vestibulum eget, vulputate ut, ultrices vel, augue. Vestibulum ante ipsum primis in fa
9	3K57DM6CQ36	Fk2fFRtW9HnY41f6q87	Ailee Fearenside	1999-01-23	Female	Aliquam quis turpis eget elit sodales scelerisque. Mauris sit amet eros. Suspendisse accumsan tortor qu
10	3R80QN4AN87	cw9k9KKM3f66k3ZNM2...	Tory Reeve	1974-11-05	Female	In hac habitasse platea dictumst. Morbi vestibulum, velit id pretium iaculis, diam erat fermentum justo, r
11	3CR2PN4FY45	21686vXK26o6XO117a0h	Olia Dellatorre	1992-07-13	Female	Quisque porta volutpat erat. Quisque erat eros, viverra eget, congue eget, semper rutrum, nulla. Nunc pul
12	7J36HV0MA72	7NWzx9Jtt7yadxvOUUL1	Dotti Grishanov	1984-12-08	Female	Fusce posuere felis sed lacus. Morbi sem mauris, laoreet ut, rhoncus aliquet, pulvinar sed, nisl. Nunc rhc
13	7J36HV0MA72	e3E030CkbZ7k74CjAgAl	Dotti Grishanov	1984-12-08	Female	Suspendisse potenti. In eleifend quam a odio. In hac habitasse platea dictumst.
14	5KY0Q99CT49	D9rESM8OX7uyxM77cE6J	Jemie Hickisson	1998-03-22	Genderqueer	Morbi non lectus. Aliquam sit amet diam in magna bibendum imperdiet. Nullam orci pede, venenatis nor
15	5E26T46VC02	1g2Jgh61C38zb18056l	Nolan Denekamp	2005-10-13	Non-binary	Etiam vel augue. Vestibulum rutrum rutrum neque. Aenean auctor gravida sem.
16	6U94T173CK39	KlAdos4knMI2UtXK2xm8	Milt Kynvin	1982-11-06	Male	Duis bibendum, felis sed interdum venenatis, turpis enim blandit mi, in porttitor pede justo eu massa. Do
17	4V20VX4WQ29	m4itT4YkC52wgPDnOeo	Bette Dutchburn	1971-12-13	Polygender	Sed ante. Vivamus tortor. Duis mattis egestas metus.
18	8FX6GK3MY64	5sJ0vBILK077hXTJ797Z	Aprilette Roback	1988-03-26	Female	Integer ac leo. Pellentesque ultrices mattis odio. Donec vitae nisi.
19	4NH1UJ6VE60	s2u9f3229Ow100443lSr	Alexis Pude	2014-07-08	Female	Vestibulum quam sapien, varius ut, blandit non, interdum in, ante. Vestibulum ante ipsum primis in faucib
20	7JK2U70HC29	Av9v530wN2Me4X0031lb	Rycca MacArthur	1975-09-08	Female	Mauris enim leo, rhoncus sed, vestibulum sit amet, cursus id, turpis. Integer aliquet, massa id lobortis cc
21	6CM3W57TC65	uh0dJ99fO98Fn727dkRP	Carol-jean Niemetz	1996-02-05	Female	Vestibulum ac est lacinia nisi venenatis tristique. Fusce congue, diam id ornare imperdiet, sapien urna p
22	7DE7KA1FU57	0B64sLKgbp9SfSWKS9yu	Nikola Tuminelli	1968-07-14	Male	Proin leo odio, porttitor id, consequat in, consequat ut, nulla. Sed accumsan felis. Ut at dolor quis odio ci
23	3WEBN69PD30	m47R9cmAXAvy56rGj2Rg	Loretalorma Renahan	1970-01-09	Bigender	Phasellus sit amet erat. Nulla tempus. Vivamus in felis eu sapien cursus vestibulum.

Total rows: 520 of 520 Query complete 00:00:00.084

Ln 2331, Col 35

4

```
delete from patient
where patient_id like '9YN3GT0FG72';
```

DELETE 1

Query returned successfully in 68 msec.

5

```
delete from doctor
where doctor_id like '7111360362';
```

DELETE 1

Query returned successfully in 69 msec.

6

```
update doctor
set name = 'Albert Einstein', specialization = 'Quantum Physics'
where doctor_id = '5217671033';
```

UPDATE 1

Query returned successfully in 73 msec.

7

```
update patient
set gender = 'Non-binary'
where patient_id = '5RN9T03VW28';
```

UPDATE 1

Query returned successfully in 83 msec.

8

```
update nurse
set department = 'Hearty people'
where department = 'Cardiology';
```

UPDATE 1

Query returned successfully in 68 msec.

Dropping tables

```
Drop Table Record;
Drop Table Nurse;
Drop Table Doctor;
Drop Table Patient;
```

DROP TABLE

Query returned successfully in 61 msec.