Hospital Management Database

Sql project

Q1. Create tables

 Create table Doctor with field names as dr_code, Name, Gender and dr_code as primary key

```
MariaDB [HMS]> create table Doctor ( dr_code int, name varchar(25), Gender enum("Male", "Female"), primary key (dr_code));
Query OK, 0 rows affected (0.023 sec)
```

• Create table Patient with field names as pat_id, fname, lname, gender, address, tell_no, dr_code and pat_id as primary key

```
MariaDB [HMS]> create table Patient (pat_id int, fname varchar(15), lname varchar(15), gender enum("Male", "Female"), address varchar(3
), tell_no numeric(10), dr_code int, primary key(pat_id), foreign key (dr_code) references Doctor(dr_code));
Query OK, 0 rows affected (0.026 sec)
```

 Create table staff with field names staff_id, name, dept, gender, address, tell_no, dr code

```
MariaDB [HMS]> create table staff (staff_id int, name varchar(20), dept varchar(20), gender enum("Male", "Female"), address varchar(30),
tell_no numeric(10), dr_code int, primary key (staff_id), foreign key (dr_code) references Doctor(dr_code));
Query OK, 0 rows affected (0.025 sec)
```

 Create table patient_diagonsis with field names diag_no, diag_details, remark, diagdate, other, pat_id

```
MariaDB [HMS]> create table patient_diagnosis (diag_no int, diag_details varchar(20), remark varchar(40), diag_date date, other varchar(
0) not null, pat_id int, primary key (diag_no), foreign key (pat_id) references Patient (pat_id));
Query OK, 0 rows affected (0.025 sec)
```

Q2. Inserting values into the tables

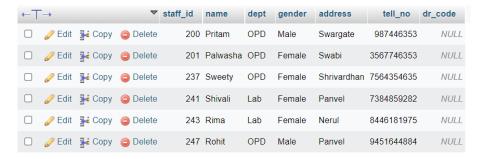
Insert values into the Doctor table



Insert values into the Patient table



• Insert values into the staff table



• Insert values into the patient diagnosis table



Q3. Make the corrections in the patient_diagnosis table in pat_id column

1 UPDATE patient_diagnosis SET pat_id = (CASE when diag_no = 503 then 103 WHEN diag_no = 504 then 123 WHEN diag_no = 504 THEN 114 WHEN diag_no = 505 THEN 120 WHEN diag_no = 506 THEN 117 WHEN diag_no = 507 THEN 111 WHEN diag_no = 508 THEN 102 WHEN diag_no = 509 then 101 END) WHERE diag_no In(503, 504, 505, 506, 507, 508, 509);



Q4. Change the department of Palwasha to Accounting

```
1 UPDATE staff
2 set dept = "Accounting"
3 WHERE name = "Palwasha";
```



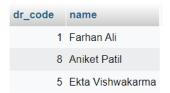
Q 5. Find a Name of the patients who are serious

```
SELECT concat(patient.fname," ", patient.lname) as patient_name, patient.pat_id, patient_diagnosis.diag_no
FROM patient INNER JOIN patient_diagnosis
ON patient.pat_id = patient_diagnosis.pat_id
WHERE patient_diagnosis.remark = "Serious"
```

patient_name	pat_id	diag_no
Shivani Shirsath	111	501
Karan Pandey	123	504
Shardul Sonawne	120	505

Q6. Find the doctors name who have given treatment on eye problem

```
Select doctor.dr_code, doctor.name
from patient_diagnosis RIGHT JOIN patient on patient_diagnosis.pat_id = patient.pat_id
RIGHT JOIN doctor ON doctor.dr_code = patient.dr_code
WHERE patient_diagnosis.diag_details = "eye";
```



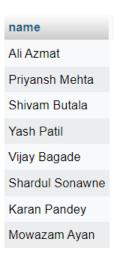
Q7. Find a Patient name, patient id, patient contact no. Who has attended Dr. Rutu Pawnarkar's consultancy.

```
SELECT patient_diagnosis.pat_id, concat(patient.fname, " ", patient.lname) AS Patient_name, patient.tell_no
FROM patient_diagnosis RIGHT JOIN patient ON patient_diagnosis.pat_id = patient.pat_id
RIGHT JOIN doctor on patient.dr_code = doctor.dr_code
WHERE doctor.name = "Rutu Pawnarkar";
```

pat_id	Patient_name	tell_no
105	Asha Jadhav	9403035343
105	Asha Jadhav	9403035343

Q8 Find All Male patients

```
1 SELECT concat(fname, " ",lname) AS name FROM `patient` WHERE gender = "Male"
```



Q9 Find All Female Patients

```
1 SELECT concat(fname, " ",lname) AS name FROM `patient` WHERE gender = "Female"

name
Madhuri Godbole
Asha Jadhav
Shivani Shirsath
Revti Gujar
```

Q10 Find the address And contact of a patient having heart problem

```
1 SELECT concat(patient.fname, " ",patient.lname) AS name , patient.address , patient.tell_no
2 FROM `patient` INNER JOIN patient_diagnosis
3 ON patient.pat_id = patient_diagnosis.pat_id
4 WHERE patient_diagnosis.diag_details like ("heart%");
```

name	address	tell_no
Asha Jadhav	Panvel	9403035343
Shardul Sonawne	Kalyan	9347759348

Q11 Find the patients name And contact Which are from kalyan

```
1 SELECT concat(fname, " ",lname) AS name , address, tell_no
2 FROM patient
3 WHERE address = "Kalyan";
```

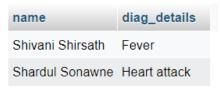
name	address	tell_no
Priyansh Mehta	Kalyan	7466384932
Shardul Sonawne	Kalyan	9347759348
Karan Pandey	Kalyan	7564839233

Q12. Find patients who had attended hospital on 03-06-2022 date

```
SELECT concat(fname, " ",lname) AS name
FROM patient
WHERE pat_id = (SELECT pat_id FROM patient_diagnosis WHERE diag_date = '2022-06-03');
name
Shivani Shirsath
```

Q13. Find Patient name, diag_details who were admitted.

```
SELECT concat(patient.fname, " ",patient.lname) AS name, patient_diagnosis.diag_details
FROM patient JOIN patient_diagnosis ON patient_diagnosis.pat_id = patient.pat_id
WHERE patient_diagnosis.other = "admit";
```



Vijay Bagade eye

Q14 What is the remark and diagnosis details for patent name vijay bagade.

low sight

```
SELECT concat(patient.fname, " ",patient.lname) AS name, patient_diagnosis.diag_details, patient_diagnosis.remark

FROM patient JOIN patient_diagnosis ON patient_diagnosis.pat_id = patient.pat_id

WHERE patient.fname = "vijay" AND patient.lname = "Bagade";

name diag_details remark
```