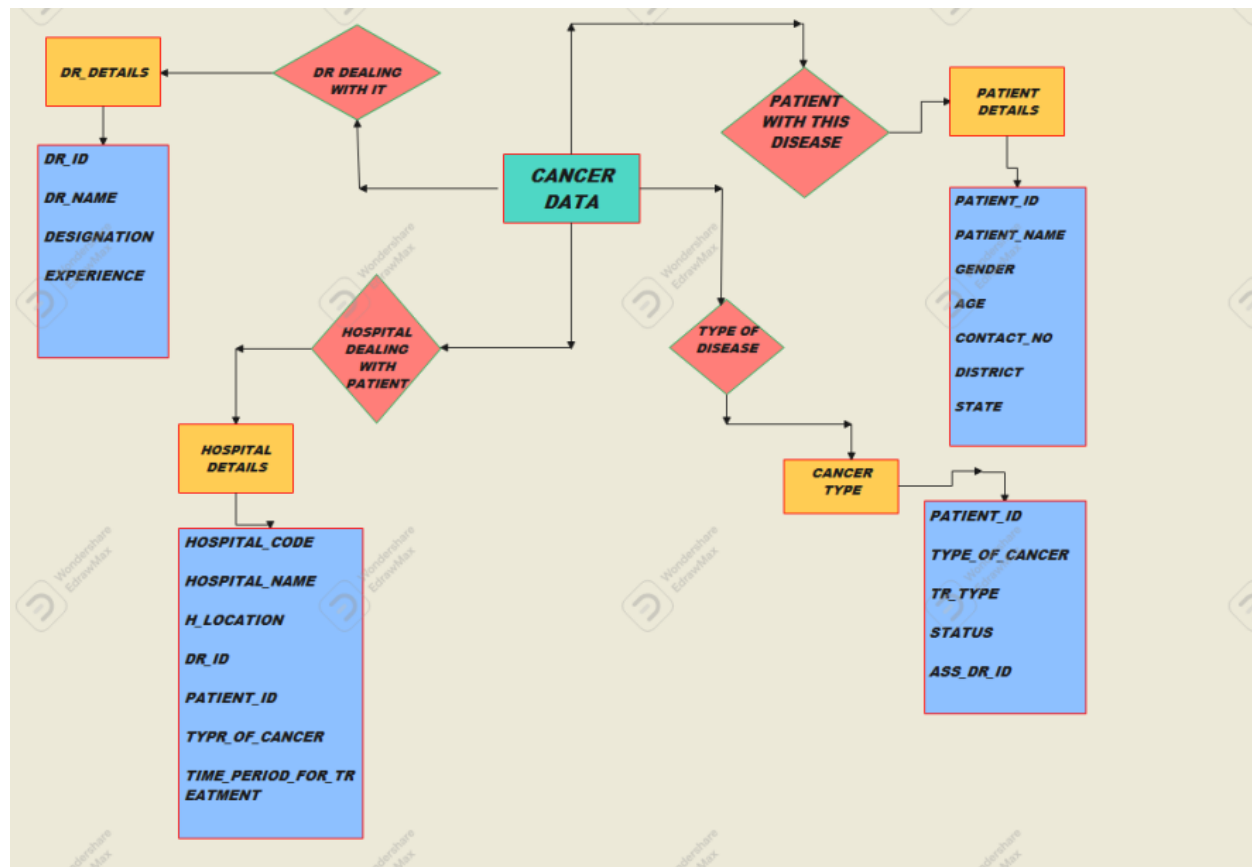


ER DIAGRAM



CANCER DATA MANAGEMENT **SYSTEM**

ABSTARCT:- Cancer is a group of diseases involving abnormal cell growth with the potential to invade or spread to other parts of the body. These contrast with benign tumors, which do not spread. Possible signs and symptoms include a lump, abnormal bleeding, prolonged cough, unexplained weight loss, and a change in bowel movements.

THERE ARE MANY TYPES OF CANCERS LIKE,

BLADDER CANCER

ORAL CANCER

LUNG CANCER

BREAST CANCER

BLOOD CANCER

PROSTATE CANCER

UTERINE CANCER

PANCREATIC CANCER

KIDNEY CANCER , ETC.

lung and oral type of cancer are common in males and uterine and breast cancer are common in females.

There are maximum number of oral and lung cancer patients in Uttarpradesh (Firozabad, Lucknow , Kanpur) and maximum number of breast cancer patients in Kerala (Kollam , Trivandrum).

There are lot of data available of cancer patients regarding hospital, recovery rate , type of treatment , doctors and many more so there is need for a perfect management system for this data so we can retriive it whenever we need it.

Objectives: 1) Hospital and government will be able to track details of patients, doctor and type of treatment.

2) It will provide a proper relation between hospital, patient and respective doctor.

3) It will help in tracking the spread of cancer and to calculate the statistics of specific type of cancer.

STRUCTURE OF TABLES

Patient_details:- This table contains patients personal information name, address , contact no etc.

```
MariaDB [cancer_management]> desc patient_details;
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Patient_id | int(11)       | NO   | PRI | NULL    |       |
| Patient_name | varchar(50)   | YES  |     | NULL    |       |
| Gender      | varchar(10)   | YES  |     | NULL    |       |
| Age        | int(11)       | YES  |     | NULL    |       |
| Contact_no  | bigint(20)    | YES  |     | NULL    |       |
| District    | varchar(35)   | YES  |     | NULL    |       |
| State       | varchar(25)   | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
7 rows in set (0.074 sec)

MariaDB [cancer_management]> _
```

Cancer_type:- this table contains information regarding type of cancer and doctor who is assisting that patient.

```
MariaDB [cancer_management]> desc cancer_type;
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Patient_id | int(11)       | YES  |     | NULL    |       |
| Type_of_cancer | varchar(35)   | YES  |     | NULL    |       |
| Treatment_type | varchar(35)   | YES  |     | NULL    |       |
| Status      | varchar(25)   | YES  |     | NULL    |       |
| Ass_dr_id   | int(11)       | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.014 sec)

MariaDB [cancer_management]> _
```

Hospital:- this table contains information regarding hospital which are dealing with cancer and doctors they have with date of admission and discharge of patient.

```
MariaDB [cancer_management]> desc hospital;
+-----+-----+-----+-----+-----+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Hospital_code | int(11)   | YES  |     | NULL     |       |
| Hospital_name  | varchar(50) | YES  |     | NULL     |       |
| location       | varchar(50) | YES  |     | NULL     |       |
| Dr_id         | int(11)   | YES  |     | NULL     |       |
| Patient_id    | int(11)   | YES  | MUL | NULL     |       |
| Type_of_cancer | varchar(35) | YES  |     | NULL     |       |
| Date_admission | date      | YES  |     | NULL     |       |
| Date_discharge | date      | YES  |     | NULL     |       |
+-----+-----+-----+-----+-----+-----+
8 rows in set (0.081 sec)

MariaDB [cancer_management]> _
```

Doctor:- This table contains information regarding doctor , his designation and experience of that doctor.

```
MariaDB [cancer_management]> desc doctor;
+-----+-----+-----+-----+-----+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Dr_id      | int(11)   | YES  |     | NULL     |       |
| Dr_name    | varchar(35) | YES  |     | NULL     |       |
| Designation | varchar(35) | YES  |     | NULL     |       |
| Experience  | int(11)   | YES  |     | NULL     |       |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.019 sec)

MariaDB [cancer_management]> _
```

CONTENTS OF TABLES

Patient_details:-

```

ariaDB [cancer_management]> select * from patient_details;
+-----+-----+-----+-----+-----+-----+-----+
Patient_id | Patient_name | Gender | Age | Contact_no | District | State
+-----+-----+-----+-----+-----+-----+-----+
101 | Somesh Thakur | M | 42 | 7894561232 | lucknow | Uttarpradesh
102 | Priya Solanki | F | 35 | 9876543212 | Thane | Maharashtra
103 | Rakesh Kumar Singh | M | 40 | 9638527417 | Uidisha | Madhyapardesh
104 | Mahesh Sarang | M | 50 | 7412589633 | Kanpur | Uttarpradesh
105 | Ronak Singh | M | 10 | 9512368745 | Surat | Gujarat
106 | Rahul Jaishankar | M | 55 | 7536984127 | Firozabad | Uttarpradesh
107 | Manat Pillai | F | 30 | 7891236578 | Kollam | Kerala
108 | Usha Raghavan | F | 28 | 9875263419 | Trivendram | Kerala
109 | Sudha Nair | F | 24 | 9631254788 | Kannur | Kerala
110 | Vaishali Gadale | F | 38 | 9865123475 | Satara | Maharashtra
111 | Ramdas Shenoy | M | 35 | 8521473696 | Bankuar | West Bengal
112 | Nagesh Shrigin | M | 55 | 9873216545 | Chirang | Assam
113 | Manisha Sonap | F | 40 | 9587432166 | Jalgaon | Maharashtra
114 | Naman Ojha | M | 45 | 9874123652 | Patiala | Punjab
115 | Jairam Kharat | M | 50 | 9865986564 | Jalandhar | Punjab
116 | Surbhi Patel | F | 38 | 7845895641 | Vadodra | Gujarat
117 | Rohini Pillai | F | 8 | 8585968512 | Prayagraj | Uttarpradesh
118 | Rajesh Bansal | M | 36 | 7272859363 | Bastar | Chhattisgarh
119 | Shubham Bhatt | M | 25 | 9191857471 | Unnao | Uttarpradesh
120 | Mohan Das | M | 30 | 8272926275 | Lucknow | Uttarpradesh
121 | Samira Khan | F | 30 | 7172757474 | Akola | Maharashtra
122 | Shabana Ansari | F | 25 | 9686858574 | Kollam | Kerala
+-----+-----+-----+-----+-----+-----+-----+
2 rows in set (0.001 sec)

ariaDB [cancer_management]>

```

Cancer_type:-

```
MariaDB [cancer_management]> select * from cancer_type;
```

Patient_id	Type_of_cancer	Treatment_type	Status	Ass_dr_id
101	oral	surgery	under treatment	5321
102	breast	surgery	recovered	6143
103	lung	surgery	under treatment	5322
104	lung	surgery	expired	5322
105	blood	chemo	expired	6523
106	oral	surgery	expired	5321
107	uterine	surgery	recovered	8531
108	breast	chemo	recovered	6143
109	breast	suregry	under treatment	6143
110	Kidney	Chemo	recovered	7142
111	Prostate	Surgery	under treatment	7111
112	Oral	Surgey	expired	5321
113	Uterine	surgey	recovered	8531
114	Prostate	Surgery	under treatment	7111
115	Bladder	Surgery	expired	2146
116	Breast	Surgery	recovered	6143
117	Blood	Chemo	under treatment	6523
118	Kidney	Surgery	Expired	7142
119	Oral	Surgery	under treatment	5321
120	Prostate	Radiation	under treatment	7111
121	Breast	Surgery	Recovered	6143
122	Uterine	Chemo	under treatment	8531

```
22 rows in set (0.001 sec)
```

```
MariaDB [cancer_management]>
```

Doctor:-

```
MariaDB [cancer_management]> select * from doctor;
```

Dr_id	Dr_name	Designation	Experience
5321	Dr.Rajendra Singh	HOD	15
5322	Dr.Prakash Rathod	CMO	20
6143	Dr.Unnati Patil	Prof. & Sr.Dr	18
6523	Dr.Prasanna Nara	CMO	12
7142	Dr.Rakesh Kumar Yadav	HOD	25
8531	Dr.Prachi Hudda	CMO	24
2146	Dr. Hemant Mahajan	HOD	17
7111	Dr. Kamlesh Wadharua	Prof. & Sr.Dr	12

```
8 rows in set (0.001 sec)
```

```
MariaDB [cancer_management]>
```

Hospital:-

```

MariaDB [cancer_management] > select * from hospital;
+-----+-----+-----+-----+-----+-----+
| Hospital_code | Hospital_name | location |
+-----+-----+-----+
| 14313 | tata memorial hospital | mumbai maharashtra | | |
| 6143 | 102 | breast | 2021-03-22 | 2020-05-25 |
| 14313 | tata memorial hospital | mumbai maharashtra |
| 5321 | 101 | oral | 2019-08-25 | NULL |
| 43212 | nh srcc hospital | hajiali mumbai maharas |
| 6523 | 105 | blood | 2022-01-06 | 2022-05-28 |
| 32133 | the cancer institute | chennai tamilnadu |
| 5322 | 103 | lung | 2021-09-30 | NULL |
| 14313 | tata memorial hospital | mumbai maharashtra |
| 6143 | 108 | breast | 2021-04-25 | 2022-05-25 |
| 53122 | kidwai memorial institue of oncology | bengalore karnataka |
| 8531 | 107 | uterine | 2021-10-25 | 2022-04-20 |
| 14319 | cancer aid & research foundation | vikhroli mumbai mahara |
| 7142 | 110 | Kidney | 2021-08-20 | 2022-09-15 |
| 32133 | the cancer institute | chennai tamilnadu |
| 5322 | 104 | lung | 2021-11-15 | 2022-03-29 |
| 14313 | tata memorial hospital | mumbai maharashtra |
| 5321 | 106 | oral | 2020-12-28 | 2022-01-05 |
| 14313 | tata memorial hospital | mumbai maharashtra |
| 6143 | 109 | breast | 2022-01-02 | NULL |
| 15431 | AIIMS | Delhi |
| 7111 | 111 | Prostate | 2021-08-15 | NULL |
| 14313 | tata memorial hospital | mumbai maharashtra |
| 5321 | 112 | oral | 2022-01-09 | 2022-05-30 |
| 53122 | kidwai memorial institute of oncology | Bangalore Karnataka |
| 8531 | 113 | uterine | 2021-11-28 | 2022-03-29 |
| 15431 | AIIMS | Delhi |
| 7111 | 114 | Prostate | 2022-02-28 | NULL |
| 14228 | Fortis | mumbai maharashtra |
| 2146 | 115 | Bladder | 2022-03-28 | 2022-05-15 |
| 14313 | tata memorial hospital | mumbai maharashtra |
| 6143 | 116 | Breast | 2021-11-10 | 2022-02-15 |
| 43212 | nh srcc hospital | hajiali mumbai maharas |
| 6523 | 117 | Blood | 2022-01-27 | NULL |
| 14319 | cancer aid & research foundation | vikhroli mumbai mahara |
| 7142 | 118 | Kidney | 2022-01-10 | 2022-05-12 |
| 14313 | tata memorial hospital | mumbai maharashtra |
| 5321 | 119 | oral | 2022-04-28 | NULL |
| 15431 | AIIMS | Delhi |
| 7111 | 120 | Prostate | 2022-04-01 | NULL |
| 14313 | tata memorial hospital | mumbai maharashtra |
| 6143 | 121 | Breast | 2022-01-02 | 2020-05-17 |
| 53122 | kidwai memorial institute of oncology | Bangalore Karnataka |
| 8531 | 122 | uterine | 2022-02-16 | NULL |
+-----+-----+-----+
22 rows in set (0.000 sec)

MariaDB [cancer_management] >

```


SUBQUERY

Q1) Show id, name ,age of patients having blood cancer.

MariaDB [cancer_management]> select patient_name ,age from patient_details where

patient_id in(select patient_id from cancer_type where type_of_cancer='blood');

```
MariaDB [cancer_management]> select patient_name ,age from patient_details where
patient_id in(select patient_id from cancer_type where type_of_cancer='blood');
+-----+-----+
| patient_name | age |
+-----+-----+
| Ronak Singh  | 10  |
| Rohini Pillai | 8   |
+-----+-----+
2 rows in set (0.001 sec)
MariaDB [cancer_management]>
```

Q2) show patient details who had there treatment in tata memorial.

MariaDB [cancer_management]> select * from patient_details where patient_id in(select patient_id from hospital where hospital_code=14313);

```
MariaDB [cancer_management]> select * from patient_details where patient_id in(
select patient_id from hospital where hospital_code=14313);
+-----+-----+-----+-----+-----+-----+-----+
| Patient_id | Patient_name | Gender | Age | Contact_no | District | Stat |
+-----+-----+-----+-----+-----+-----+-----+
| 101 | Somesh Thakur | M | 42 | 7894561232 | luckonow | Utta |
| 102 | Priya Solanki | F | 35 | 9876543212 | Thane | Maha |
| 106 | Rahul Jaishankar | M | 55 | 7536984127 | Firozabad | Utta |
| 108 | Usha Raghavan | F | 28 | 9875263419 | Trivendram | Kera |
| 109 | Sudha Nair | F | 24 | 9631254788 | Kannur | Kera |
| 112 | Nagesh Shrigin | M | 55 | 9873216545 | Chirang | Assa |
| 116 | Surbhi Patel | F | 38 | 7845895641 | Vadodra | Guja |
| 119 | Shubham Bhatt | M | 25 | 9191857471 | Unnao | Utta |
| 121 | Samira Khan | F | 30 | 7172757474 | Akola | Maha |
+-----+-----+-----+-----+-----+-----+-----+
9 rows in set (0.001 sec)
```

Q3)select patient details who are under treatment

MariaDB [cancer_management]> select * from patient_details where patient_id in(s

elect patient_id from cancer_type where status='under treatment');

```
MariaDB [cancer_management]> select * from patient_details where patient_id in(
select patient_id from cancer_type where status='under treatment');
+-----+-----+-----+-----+-----+-----+-----+
| Patient_id | Patient_name | Gender | Age | Contact_no | District | State |
+-----+-----+-----+-----+-----+-----+-----+
| 101 | Somesh Thakur | M | 42 | 7894561232 | luckonow | Utt
```

Patient_id	Patient_name	Gender	Age	Contact_no	District	State
101	Somesh Thakur	M	42	7894561232	luckonow	Utt
103	Rakesh Kumar Singh	M	40	9638527417	Udisha	Mad
109	Sudha Nair	F	24	9631254788	Kannur	Ker
111	Ramdas Shenoy	M	35	8521473696	Bankuar	Wes
114	Naman Ojha	M	45	9874123652	Patiala	Pun
117	Rohini Pillai	F	8	8585968512	Prayagraj	Utt
119	Shubham Bhatt	M	25	9191857471	Unnao	Utt
120	Mohan Das	M	30	8272926275	Lucknow	Utt
122	Shabana Ansari	F	25	9686858574	Kollam	Ker

```
9 rows in set (0.001 sec)
MariaDB [cancer_management]>
```

Q4) Details of patients having cancer type breast and uterine.

```

MariaDB [CANCER_MANAGEMENT1]> SELECT * FROM PATIENT_DETAILS WHERE PATIENT_ID IN(
SELECT PATIENT_ID FROM CANCER_TYPE WHERE TYPE_OF_CANCER='UTERINE' OR TYPE_OF_CANCER='BREAST');
+-----+-----+-----+-----+-----+-----+-----+
| Patient_id | Patient_name | Gender | Age | Contact_no | District | State |
+-----+-----+-----+-----+-----+-----+-----+
| 102 | Priya Solanki | F | 35 | 9876543212 | Thane | Mahara |
| 107 | Mamat Pillai | F | 30 | 7891236578 | Kollam | Kerala |
| 108 | Usha Raghavan | F | 28 | 9875263419 | Trivendram | Kerala |
| 109 | Sudha Nair | F | 24 | 9631254788 | Kannur | Kerala |
| 113 | Manisha Sonap | F | 40 | 9587432166 | Jalgaon | Mahara |
| 116 | Surbhi Patel | F | 38 | 7845895641 | Uadodra | Gujara |
| 121 | Samira Khan | F | 30 | 7172757474 | Akola | Mahara |
| 122 | Shabana Ansari | F | 25 | 9686858574 | Kollam | Kerala |
+-----+-----+-----+-----+-----+-----+-----+
8 rows in set (0.001 sec)

```

JOINS

Q1)CREATE JOINS to show patient_id , hospital , location and type of cancer.

MariaDB [cancer_management]> SELECT hospital.patient_id, hospital.hospital_name,
hospital.location, cancer_type.type_of_cancer from hospital inner join cancer_ty
pe on hospital.patient_id=cancer_type.patient_id;

```
MariaDB [cancer_management]> SELECT hospital.patient_id, hospital.hospital_name,  
hospital.location, cancer_type.type_of_cancer from hospital inner join cancer_ty  
pe on hospital.patient_id=cancer_type.patient_id;
```

patient_id	hospital_name	location	type_of_cancer
101	tata memorial hospital	mumbai maharashtra	oral
102	tata memorial hospital	mumbai maharashtra	breast
103	the cancer institute	chennai tamilnadu	lung
104	the cancer institute	chennai tamilnadu	lung
105	nh srcc hospital	hajiali mumbai maharashtra	blood
106	tata memorial hospital	mumbai maharashtra	oral
107	kidwai memorial institute of oncology	bengalore karnataka	uterine
108	tata memorial hospital	mumbai maharashtra	breast
109	tata memorial hospital	mumbai maharashtra	breast
110	cancer aid & research foundation	vikhroli mumbai maharashtra	Kidney
111	AIIMS	Delhi	Prostate
112	tata memorial hospital	mumbai maharashtra	Oral
113	kidwai memorial institute of oncology	Bengalore Karnataka	Uterine
114	AIIMS	Delhi	Prostate
115	Fortis	mumbai maharashtra	Bladder
116	tata memorial hospital	mumbai maharashtra	Breast
117	nh srcc hospital	hajiali mumbai maharashtra	Blood
118	cancer aid & research foundation	vikhroli mumbai maharashtra	Kidney
119	tata memorial hospital	mumbai maharashtra	Oral
120	AIIMS	Delhi	Prostate
121	tata memorial hospital	mumbai maharashtra	Breast
122	kidwai memorial institute of oncology	Bengalore Karnataka	Uterine

22 rows in set (0.001 sec)

```
MariaDB [cancer_management]>
```

Q2)create joins to show hospital name , dr id , patient id and status of patient.

MariaDB [cancer_management]> SELECT hospital.patient_id, hospital.hospital_name,
cancer_type.ass_dr_id,cancer_type.status from hospital inner join cancer_type o
n hospital.patient_id=cancer_type.patient_id;

```
MariaDB [cancer_management]> SELECT hospital.patient_id, hospital.hospital_name,  
cancer_type.ass_dr_id,cancer_type.status from hospital inner join cancer_type o  
n hospital.patient_id=cancer_type.patient_id;
```

patient_id	hospital_name	ass_dr_id	status
101	tata memorial hospital	5321	under treatme
102	tata memorial hospital	6143	recovered
103	the cancer institute	5322	under treatme
104	the cancer institute	5322	expired
105	nh srcc hospital	6523	expired
106	tata memorial hospital	5321	expired
107	kidwai memorial institue of oncology	8531	recovered
108	tata memorial hospital	6143	recovered
109	tata memorial hospital	6143	under treatme
110	cancer aid & research foundation	7142	recovered
111	AIIMS	7111	under treatme
112	tata memorial hospital	5321	expired
113	kidwai memorial institute of oncology	8531	recovered
114	AIIMS	7111	under treatme
115	Fortis	2146	expired
116	tata memorial hospital	6143	recovered
117	nh srcc hospital	6523	under treatme
118	cancer aid & research foundation	7142	Expired
119	tata memorial hospital	5321	under treatme
120	AIIMS	7111	under treatme
121	tata memorial hospital	6143	Recovered
122	kidwai memorial institute of oncology	8531	under treatme

Q3) To show patient name with hospital name and dr id.

```
ERROR 1054 (42S22): Unknown column 'd.dr_id' in 'on clause'
MariaDB [cancer_management]> select p.patient_name , h.hospital_name , d.dr_id f
rom patient_details p inner join hospital h on p.patient_id=h.patient_id inner j
oin doctor d on d.dr_id=h.dr_id;
```

patient_name	hospital_name	dr_id
Priya Solanki	tata memorial hospital	6143
Somesh Thakur	tata memorial hospital	5321
Ronak Singh	nh srcc hospital	6523
Rakesh Kumar Singh	the cancer institute	5322
Usha Raghavan	tata memorial hospital	6143
Mamat Pillai	kidwai memorial institue of oncology	8531
Vaishali Gadale	cancer aid & research foundation	7142
Mahesh Sarang	the cancer institute	5322
Rahul Jaishankar	tata memorial hospital	5321
Sudha Nair	tata memorial hospital	6143
Ramdas Shenoy	AIIMS	7111
Nagesh Shrigiri	tata memorial hospital	5321
Manisha Sonap	kidwai memorial institute of oncology	8531
Naman Ojha	AIIMS	7111
Jairam Kharat	Fortis	2146
Surbhi Patel	tata memorial hospital	6143
Rohini Pillai	nh srcc hospital	6523
Rajesh Bansal	cancer aid & research foundation	7142
Shubham Bhatt	tata memorial hospital	5321
Mohan Das	AIIMS	7111
Samira Khan	tata memorial hospital	6143
Shabana Ansari	kidwai memorial institute of oncology	8531

22 rows in set (0.001 sec)

Q4) To show patient name , hospital name with dr name.

```

MariaDB [cancer_management]> select p.patient_name , h.hospital_name,d.dr_name ,
d.dr_id from patient_details p inner join hospital h on p.patient_id=h.patient_
id inner join doctor d on d.dr_id=h.dr_id;
+-----+-----+-----+
| patient_name | hospital_name | dr_name |
| dr_id |
+-----+-----+-----+
| Priya Solanki | tata memorial hospital | Dr.Unnati Patil |
| 6143 |
| Somesh Thakur | tata memorial hospital | Dr.Rajendra Singh |
| 5321 |
| Ronak Singh | nh srcc hospital | Dr.Prasanna Nara |
| 6523 |
| Rakesh Kumar Singh | the cancer institute | Dr.Prakash Rathod |
| 5322 |
| Usha Raghavan | tata memorial hospital | Dr.Unnati Patil |
| 6143 |
| Mamat Pillai | kidwai memorial institue of oncology | Dr.Prachi Hudda |
| 8531 |
| Vaishali Gadale | cancer aid & research foundation | Dr.Rakesh Kumar Y |
| 7142 |
| Mahesh Sarang | the cancer institute | Dr.Prakash Rathod |
| 5322 |
| Rahul Jaishankar | tata memorial hospital | Dr.Rajendra Singh |
| 5321 |
| Sudha Nair | tata memorial hospital | Dr.Unnati Patil |
| 6143 |
| Ramdas Shenoy | AIIMS | Dr. Kamlesh Wadha |
| 7111 |
| Nagesh Shrigin | tata memorial hospital | Dr.Rajendra Singh |
| 5321 |
| Manisha Sonap | kidwai memorial institute of oncology | Dr.Prachi Hudda |
| 8531 |
| Naman Ojha | AIIMS | Dr. Kamlesh Wadha |
| 7111 |
| Jairam Kharat | Fortis | Dr. Hemant Mahaja |
| 2146 |
| Surbhi Patel | tata memorial hospital | Dr.Unnati Patil |
| 6143 |
| Rohini Pillai | nh srcc hospital | Dr.Prasanna Nara |
| 6523 |
| Rajesh Bansal | cancer aid & research foundation | Dr.Rakesh Kumar Y |
| 7142 |
| Shubham Bhatt | tata memorial hospital | Dr.Rajendra Singh |
| 5321 |
| Mohan Das | AIIMS | Dr. Kamlesh Wadha |
| 7111 |
| Samira Khan | tata memorial hospital | Dr.Unnati Patil |
| 6143 |
| Shabana Ansari | kidwai memorial institute of oncology | Dr.Prachi Hudda |
| 8531 |
+-----+-----+-----+
22 rows in set (0.001 sec)

```

VIEWS

Q1)give details of doctor with hospital and his designation.

MariaDB [cancer_management]> create view v1 as select hospital.hospital_name , doctor.dr_id, doctor.dr_name, doctor.designation from hospital,doctor where doctor.dr_id=hospital.dr_id;

```
Administrator: XAMPP for Windows - mysql -h localhost -u root
doctor.dr_id, doctor.dr_name, doctor.designation from hospital,doctor where doctor.dr_id=hospital.dr_id;
Query OK, 0 rows affected (0.081 sec)

MariaDB [cancer_management]> select * from v1;
+-----+-----+-----+-----+
| hospital_name | dr_id | dr_name | design |
+-----+-----+-----+-----+
| tata memorial hospital | 6143 | Dr.Unnati Patil | Prof. |
| tata memorial hospital | 5321 | Dr.Rajendra Singh | HOD |
| nh srcc hospital | 6523 | Dr.Prasanna Nara | CMO |
| the cancer institute | 5322 | Dr.Prakash Rathod | CMO |
| tata memorial hospital | 6143 | Dr.Unnati Patil | Prof. |
| kidwai memorial institue of oncology | 8531 | Dr.Prachi Hudda | CMO |
| cancer aid & research foundation | 7142 | Dr.Rakesh Kumar Yadav | HOD |
| the cancer institute | 5322 | Dr.Prakash Rathod | CMO |
| tata memorial hospital | 5321 | Dr.Rajendra Singh | HOD |
| tata memorial hospital | 6143 | Dr.Unnati Patil | Prof. |
| AIIMS | 7111 | Dr. Kamlesh Wadharia | Prof. |
| tata memorial hospital | 5321 | Dr.Rajendra Singh | HOD |
| kidwai memorial institute of oncology | 8531 | Dr.Prachi Hudda | CMO |
| AIIMS | 7111 | Dr. Kamlesh Wadharia | Prof. |
| Fortis | 2146 | Dr. Hemant Mahajan | HOD |
| tata memorial hospital | 6143 | Dr.Unnati Patil | Prof. |
| nh srcc hospital | 6523 | Dr.Prasanna Nara | CMO |
| cancer aid & research foundation | 7142 | Dr.Rakesh Kumar Yadav | HOD |
| tata memorial hospital | 5321 | Dr.Rajendra Singh | HOD |
| AIIMS | 7111 | Dr. Kamlesh Wadharia | Prof. |
| tata memorial hospital | 6143 | Dr.Unnati Patil | Prof. |
| kidwai memorial institute of oncology | 8531 | Dr.Prachi Hudda | CMO |
+-----+-----+-----+-----+
22 rows in set (0.001 sec)

MariaDB [cancer_management]>
```


Q2) show details of patients with ass.dr name and their designation.

```
patient_details.patient_id=hospital.patient_id' at line 1
MariaDB [cancer_management]> create view v2 as select cancer_type.patient_id ,ca
cer_type.ass_dr_id , doctor.dr_name, doctor.designation from cancer_type,doctor
where cancer_type.ass_dr_id=doctor.dr_id;
Query OK, 0 rows affected (0.079 sec)
```

```
MariaDB [cancer_management]> select * from v2;
```

patient_id	ass_dr_id	dr_name	designation
101	5321	Dr.Rajendra Singh	HOD
102	6143	Dr.Unnati Patil	Prof. & Sr.Dr
103	5322	Dr.Prakash Rathod	CMO
104	5322	Dr.Prakash Rathod	CMO
105	6523	Dr.Prasanna Nara	CMO
106	5321	Dr.Rajendra Singh	HOD
107	8531	Dr.Prachi Hudda	CMO
108	6143	Dr.Unnati Patil	Prof. & Sr.Dr
109	6143	Dr.Unnati Patil	Prof. & Sr.Dr
110	7142	Dr.Rakesh Kumar Yadav	HOD
111	7111	Dr. Kamlesh Wadharua	Prof. & Sr.Dr
112	5321	Dr.Rajendra Singh	HOD
113	8531	Dr.Prachi Hudda	CMO
114	7111	Dr. Kamlesh Wadharua	Prof. & Sr.Dr
115	2146	Dr. Hemant Mahajan	HOD
116	6143	Dr.Unnati Patil	Prof. & Sr.Dr
117	6523	Dr.Prasanna Nara	CMO
118	7142	Dr.Rakesh Kumar Yadav	HOD
119	5321	Dr.Rajendra Singh	HOD
120	7111	Dr. Kamlesh Wadharua	Prof. & Sr.Dr
121	6143	Dr.Unnati Patil	Prof. & Sr.Dr
122	8531	Dr.Prachi Hudda	CMO

```
2 rows in set (0.001 sec)
```

```
MariaDB [cancer_management]>
```