

## UNF TABLE QUERY

```
CREATE TABLE Hospital_Patient_Record (  
    department_id INT NOT NULL,  
    department_name VARCHAR(20) NOT NULL,  
    head_id INT NOT NULL,  
    patient_id INT NOT NULL,  
    patient_fName VARCHAR(50) NOT NULL,  
    patient_LName VARCHAR(50) NOT NULL,  
    address VARCHAR(50) NOT NULL,  
    phone VARCHAR(11) DEFAULT NULL,  
    sex VARCHAR(6) NOT NULL,  
    patient_blood VARCHAR(3) NOT NULL,  
    position_id INT NOT NULL,  
    position_name VARCHAR(20) NOT NULL,  
    physician_id INT NOT NULL,  
    physician_fName VARCHAR (50) NOT NULL,  
    physician_LName VARCHAR (50) NOT NULL,  
    physician_ssn VARCHAR(11) NOT NULL,  
    departmen INT NOT NULL,  
    physician_working_days VARCHAR(9) NOT NULL,  
    appointment_id INT NOT NULL,  
    start_date DATE DEFAULT NULL,  
    treatment_name VARCHAR (20) DEFAULT NULL,  
    block_code INT DEFAULT NULL,  
    room_id INT DEFAULT NULL,  
    available BOOLEAN NOT NULL,  
    nurse_id INT NOT NULL,
```

```
stay_id INT NOT NULL,  
start_time DATE DEFAULT NULL,  
end_time DATE DEFAULT NULL,  
is_active BOOLEAN NOT NULL,  
result_blood VARCHAR(50) DEFAULT NULL ,  
password VARCHAR(20) NOT NULL  
);
```

```
INSERT INTO `hospital_ratient_record` (  
    `department_id` ,  
    `department_name` ,  
    `head_id` ,  
    `patient_id` ,  
    `patient_fName` ,  
    `patient_lName` ,  
    `address` ,  
    `phone` ,  
    `sex` ,  
    `patient_blood` ,  
    `position_id` ,,  
    `position_name` ,  
    `physician_id` ,  
    `physician_fName` ,  
    `physician_lName` ,  
    `physician_ssn` ,  
    `department` ,
```

```
`physician_working_days`,
`appointment_id`,
`start_date`,
`treatment_name`,
`block_code`,
`room_id`,
`available`,
`nurse_id`,
`stay_id`,
`start_time`,
`end_time`,
`is_active`,
`result_blood`,
`password`,
);
```

## VALUES

//Onur Cancer

```
VALUES ('201', 'oncology', '1', '100', 'Onur', 'Çetin', 'Ankara Sincan Törekent', '05239899123', 'Male',
'B+', '150', 'Bekir', '10', 'Mehmet', 'Oz', '123456', 'Monday-Tuesday-Wednesday', '12', '12.03.23',
'chemotherapy', '7', '176', 'True', '1', '3', '14.03.23', '23.06.23', 'True', 'Cancer!Start chemotherapy
quickly', '14', '12345');
```

//Onur Physical Therapy

```
VALUES ('202', 'physical therapy', '2', '100', 'Onur', 'Çetin', 'Ankara Sincan Törekent', '05239899123',
'Male', 'B+', '151', 'Mehmet', '14', 'Samet', 'Vatan', '123424', 'Tuesday-Thursday-Saturday', '13',
'05.04.23', 'thermotherapy', '5', '120', '1', '4', '5', '06.04.23', '25.06.23', 'True', 'bone resorption',
'12345');
```

//Onur Oncology Control

VALUES ('201', 'oncology', '1', '100', 'Onur', 'Çetin', 'Ankara Sincan Törekent', '05239899123', 'Male', 'B+', '150', 'Bekir', '10', 'Mehmet', 'Oz', '123456', 'Monday-Tuesday-Wednesday', '12', '12.03.23', 'chemotherapy', '7', '176', 'True', '1', '3', '14.03.23', '23.06.23', 'True', 'Looking good', '14', '12345');

//Onur Therapy Control

VALUES ('202', 'physical therapy', '2', '100', 'Onur', 'Çetin', 'Ankara Sincan Törekent', '05239899123', 'Male', 'B+', '151', 'Mehmet', '14', 'Samet', 'Vatan', '123424', 'Tuesday-Thursday-Saturday', '13', '05.04.23', 'thermotherapy', '5', '120', '1', '4', '5', '06.04.23', '25.06.23', 'True', 'progress has been made', '12345');

//Uğur Diabet Problem

VALUES ('187', 'internal', '14', '101', 'Uğur', 'Akin', 'Sivas Merkez', '05419829125', 'Male', 'A-', '190', 'Gül', '127', 'Erdinç', 'Türk', '113420', 'Saturday-Sunday', '15', '02.01.23', 'diabet', '12', '593', 'True', '42', '43', '03.01.23', NULL, 'True', 'diabetes mellitus', '12345');

//Uğur Mental Problem

VALUES ('109', 'mental health', '51', '101', 'Uğur', 'Akin', 'Sivas Merkez', '05419829125', 'Male', 'A-', '189', 'Ahmet', '190', 'Kadir', 'Kar', '120694', 'Wendsday,Sunday', '19', '09.06.23', 'Psychologist', '9', '122', 'True', '6', '1', '12.06.23', '18.06.23', 'True', 'mental disorder', '12345');

//Uğur Mental Control

VALUES ('142', 'mental health', '51', '101', 'Uğur', 'Akin', 'Sivas Merkez', '05419829125', 'Male', 'A-', '189', 'Ahmet', '190', 'Kadir', 'Kar', '120694', 'Wendsday,Sunday', '19', '09.06.23', 'Psychologist', '9', '122', 'True', '6', '1', '12.06.23', '18.06.23', 'True', 'looking at life more moderately', '12345');

//Uğur Diabet Control

VALUES ('187', 'internal', '14', '101', 'Uğur', 'Akin', 'Sivas Merkez', '05419829125', 'Male', 'A-', '190', 'Gül', '127', 'Erdinç', 'Türk', '113420', 'Saturday-Sunday', '15', '02.01.23', 'sugar', '12', '593', 'True', '42', '43', '03.01.23', NULL, 'True', 'diagnosis of diabetes 1', '12345');

//Neslihan Astigmatism

VALUES ('78', 'Eye clinic', '89', '102', 'Neslihan ', 'Akkoç', 'Antalya Kepez', '05423499812', 'Female', 'AB+', '193', 'Melek', '293', 'Ricardo', 'Quaresma', '7', 'Friday-Monday', '22', '09.02.23', 'astigmatism', '8', '143', 'True', '124', '13', '10.02.23', NULL, 'True', 'eye scratching or the use of glasses', '12345')

//Neslihan Eye Control

VALUES ('78', 'Eye clinic', '89', '102', 'Neslihan ', 'Akkoç', 'Antalya Kepez', '05423499812', 'Female', 'AB+', '193', 'Melek', '293', 'Ricardo', 'Quaresma', '7', 'Friday-Monday', '22', '09.02.23', 'astigmatism', '8', '143', 'True', '124', '13', '10.02.23', NULL, 'True', 'eye scratching took place with success', '12345');

//Sinan Aesthetic

VALUES ('21', 'aesthetic surgery', '13', '103', 'Sinan', 'Oğan', 'Ankara Çankaya', '05129432034', 'Male', '0+', '147', 'Devlet', '40', 'Zafer', 'Alagöz', '13125', 'Sunday-Monday', '17', '14.05.23', 'aesthetic', '194', '190', 'True', '122', '50', '14.05.23', '21.05.23', 'True', 'rhinoplasty', '12345');

//Sinan Aesthetic Control

VALUES ('21', 'aesthetic surgery', '13', '103', 'Sinan', 'Oğan', 'Ankara Çankaya', '05129432034', 'Male', '0+', '147', 'Devlet', '40', 'Zafer', 'Alagöz', '13125', 'Sunday-Monday', '17', '14.05.23', 'aesthetic', '194', '190', 'True', '122', '50', '14.05.23', '21.05.23', 'True', 'the operation will be repeated due to the suture explosion', '12345');

//Vincent Cruciate Ligament

VALUES ('76', 'orthopedics', '16', '104', 'Vincent ', 'Aboubakar', 'İstanbul Beşiktaş', '05429828246', 'Male', 'A+', '134', 'Mahmut', '1305', 'Zeliş', 'Aydoğdu', '14052', 'Monday-Thursday-Friday', '1352', '01.04.23', NULL, NULL, NULL, 'True', '139', '142', '01.04.23', '03.05.23', 'True', 'cruciate ligament rupture', '12345');

//Snoop Lung Cancer

VALUES ('152', 'chest diseases', '15', '245', 'Snoop ', 'Dogg', 'İstanbul Kadıköy', '05621452147', 'Male', '0+', '154', 'Ayşe', '30', 'Ayten', 'Tez', '13052', 'Friday-Saturday', '146', '17.03.23', NULL, NULL, NULL, '1', '127', '1490', '18.03.23', NULL, '1', 'lung cancer', '12345');

//Snoop Lung Cancer Control

VALUES ('152', 'chest diseases', '15', '245', 'Snoop ', 'Dogg', 'İstanbul Kadıköy', '05621452147', 'Male', '0+', '154', 'Ayşe', '30', 'Ayten', 'Tez', '13052', 'Friday-Saturday', '146', '17.03.23', NULL, NULL, NULL, '1', '127', '1490', '18.03.23', NULL, '1', ' His lung cancer has progressed.The situation is bad`, '12345');

//Joseph Mental Problem

VALUES ('573', 'family doctor', '185', '105', 'Joseph', 'Ledet', 'Antala Muratpaşa', '05632139492', 'Male', '0-', '1983', 'Hamit', '1451', 'Melih', 'Oz', '13240', 'Saturday-Sunday', '142', '30.04.23', NULL, NULL, NULL, '1', '1322', '8', '30.04.23', NULL, '1', 'He is tired of being so interested in his students', '12345');

//Joseph Mental Control

VALUES ('573', 'family doctor', '185', '105', 'Joseph', 'Ledet', 'Antala Muratpaşa', '05632139492', 'Male', '0-', '1983', 'Hamit', '1451', 'Melih', 'Oz', '13240', 'Saturday-Sunday', '142', '30.04.23', NULL, NULL, NULL, '1', '1322', '8', '30.04.23', NULL, '1', ' He's doing fine,most likely the semester is over`, '12345');

//Ece Hearth Failure

VALUES ('718', 'cardiovascular', '124', '106', 'Ece', 'Gök', 'Antalya Kepez', '05125952129', 'Female', 'A+', '1452', 'Sercan', '1048', 'Kerem', 'Tekin', '11497', 'Saturday-Monday-Sunday', '2492', NULL, NULL, NULL, NULL, 'True', '214', '99', NULL, NULL, 'True', 'heart failure', '12345');

//Ece Heart Control

VALUES ('718', 'cardiovascular', '124', '106', 'Ece', 'Gök', 'Antalya Kepez', '05125952129', 'Female', 'A+', '1452', 'Sercan', '1048', 'Kerem', 'Tekin', '11497', 'Saturday-Monday-Sunday', '2492', NULL, NULL, NULL, NULL, 'True', '214', '99', NULL, NULL, 'True', ' A pacemaker was inserted, she's fine', '12345');

//Yalın Dental Problem

VALUES ('412', 'dental', '1342', '111', 'Yalın ', 'Mermer', 'Antalya Muratpaşa', '05125623561', 'Male', 'AB-', '166', 'Rıdvan', '113', 'Bekir', 'Dilek', '13948', 'Wednesday-Sunday', '22', NULL, NULL, NULL, NULL, '1', '1242', '144', NULL, NULL, '1', 'Rotten tooth will be removed', '12345');

//Kemal High Fever

VALUES ('45', 'Ear Nose Throat', '87', '107', 'Kemal', 'Temiz', 'Antalya Alanya', '05672940192', 'Male', 'B-', '14', 'Ekrem', '94', 'Mansur', 'Yerli', '13049', 'Thursday-Friday', '199', NULL, NULL, NULL, NULL, 'true', '86', '24', NULL, NULL, 'true', 'high fever', '12345');

//Cansu Blood Test

VALUES ('573', 'family doctor', '924', '108', 'Cansu', 'Kiraz', 'Antalya Aksu', '05813949292', 'Female', 'O-', '152', 'Sertap', '82', 'Uğur', 'Dündar', '19482', 'Sunday-Monday-Tuesday-Wednesday', '104', NULL, NULL, NULL, NULL, 'true', '114', '414', NULL, NULL, 'true', 'she wants to have a blood test', '12345');

//Cansu Blood Analysis

VALUES ('573', 'family doctor', '924', '108', 'Cansu', 'Kiraz', 'Antalya Aksu', '05813949292', 'Female', 'O-', '152', 'Sertap', '82', 'Uğur', 'Dündar', '19482', 'Sunday-Monday-Tuesday-Wednesday', '104', NULL, NULL, NULL, NULL, 'true', '114', '414', NULL, NULL, 'true', 'Blood values were checked. There is an iron deficiency. Let the reinforcement begin', '12345');

//Mahmut-eczama

VALUES ('1822', 'leather', '846', '109', 'Mahmut', 'Demir', 'Antalya Finike', '05826728741', 'Male', 'AB+', '8762', 'Burcu', '642', 'Cemre', 'Demirel', '18275', 'Saturday-Monday-Sunday', '19', '08.01.23', 'eczema', NULL, NULL, 'true', '124', '77', NULL, NULL, 'true', 'The hands and feet are showing signs of eczema.', '12345');

//Mahmut Control

VALUES ('1822', 'leather', '846', '109', 'Mahmut', 'Demir', 'Antalya Finike', '05826728741', 'Male', 'AB+', '8762', 'Burcu', '642', 'Cemre', 'Demirel', '18275', 'Saturday-Monday-Sunday', '19', '08.01.23', 'eczema', NULL, NULL, 'true', '124', '77', NULL, NULL, 'true', 'The symptoms of eczema have slowed down with the use of pills.', '12345');

//Sinem -Cold

VALUES ('45', 'Ear Nose Throat', '22', '110', 'Sinem', 'Ak', 'Antalya Konyaaltı', '05274929001', 'Female', 'AB-', '132', 'Dilek', '222', 'Defne', 'Çetin', '14920', 'Monday-Thursday-Friday', '24', NULL, NULL, NULL, NULL, '1', '49', '2', NULL, NULL, '1', 'He\'s having a cold. Pill advice given', '12345');

We have shown some of the people I entered as data in our UNF table in this way in the table. The data we entered is more as code, but we were able to show some of it in our table.

## First Part of the Table

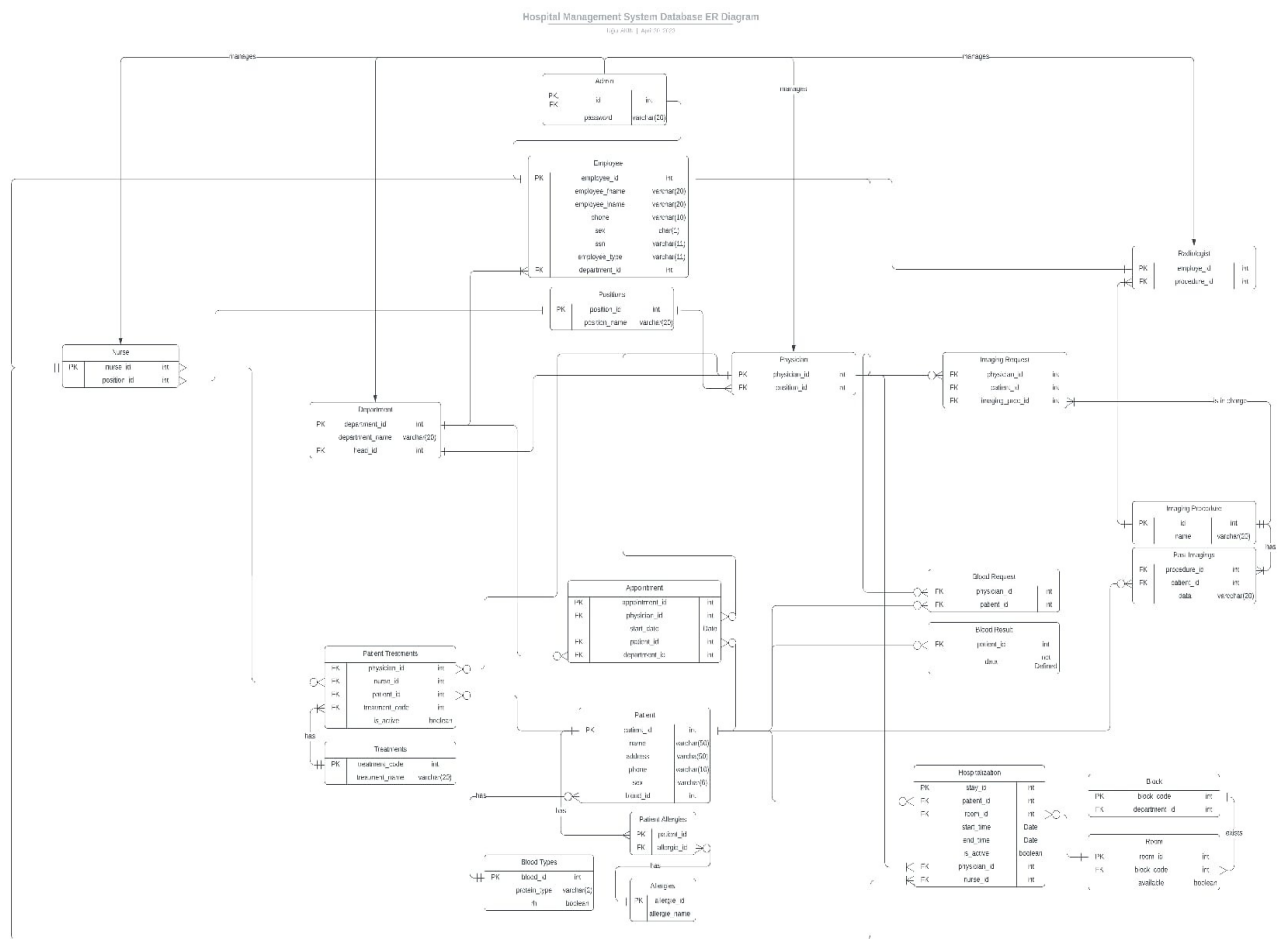
SELECT * FROM 'hospital_patient_record'															
department_id	department_name	head_id	patient_id	patient_fname	patient_lname	address	phone	sex	patient_blood	position_id	position_name	physician_id	physician_fname	physician_lname	physician_ssn
201	oncology	1	100	Onur	Çetin	Ankara Sincan Torekent	05239899123	Male	B+	150	Bekir	10	Mehmet	Oz	123456
202	physical therapy	2	100	Onur	Çetin	Ankara Sincan Torekent	05239899123	Male	B+	151	Mehmet	14	Samet	Vatan	123424
109	mental health	51	101	Uğur	Akın	Sivas Merkez	05419829125	Male	A-	189	Ahmet	190	Kadir	Kar	120694
109	mental health	51	101	Uğur	Akın	Sivas Merkez	05419829125	Male	A-	189	Ahmet	190	Kadir	Kar	120694
187	internal	14	101	Uğur	Akın	Sivas Merkez	05419829125	Male	A-	190	Gül	127	Erdoğan	Türk	113420
78	Eye clinic	89	102	Neslihan	Akkoç	Antalya Kepez	05423498812	Female	AB+	193	Melek	293	Ricardo	Quaresma	7
78	Eye clinic	89	102	Neslihan	Akkoç	Antalya Kepez	05423498812	Female	AB+	193	Melek	293	Ricardo	Quaresma	7
21	aesthetic surgery	17	103	Sinan	Oğan	Ankara Cankaya	05215639021	M		0		0			
21	aesthetic surgery	13	103	Sinan	Oğan	Ankara Cankaya	05129432034	Male	O+	147	Devlet	40	Zafer	Alagöz	13125
21	aesthetic surgery	13	103	Sinan	Oğan	Ankara Cankaya	05129432034	Male	O+	147	Devlet	40	Zafer	Alagöz	13125
35		13	104	Vincent	Aboubakar	Istanbul Beşiktaş	05429828246	M		0		0			
76	orthopedics	16	104	Vincent	Aboubakar	Istanbul Beşiktaş	05429828246	Male	A+	134	Mahmut	1305	Zeliş	Aydoğdu	14052
152	chest diseases	15	245	Snoop	Dogg	Istanbul Kadıköy	05621452147	Male	O+	154	Ayşe	30	Ayten	Tez	13052
152	chest diseases	15	245	Snoop	Dogg	Istanbul Kadıköy	05621452147	Male	O+	154	Ayşe	30	Ayten	Tez	13052
573	family doctor	185	105	Joseph	Ledet	Antalya Muratpaşa	05632139492	Male	O-	1983	Hamit	1451	Melih	Oz	13240
573	family doctor	185	105	Joseph	Ledet	Antalya Muratpaşa	05632139492	Male	O-	1983	Hamit	1451	Melih	Oz	13240
18	cardiovascular	89	106	Ece	Gök	Antalya Kepez	05125632463	Fem		0		0			
718	cardiovascular	124	106	Ece	Gök	Antalya Kepez	05125632129	Female	A+	1452	Sercan	1048	Kerem	Tekin	11497

## Second Part of the Table

physician_working_days	appointment_id	start_date	threatment_name	block_code	room_id	available	nurse_id	stay_id	start_time	end_time	is_active	result_blood	password	allergie_name
M-Tu-W	12	2012-03-23	chemotherapy	7	176	1	1	3	2014-03-23	2023-06-23	1	CanserliStart chemotherapy quickly	onur123	Sun
TU-W-SA	13	2005-04-23	thermotherapy	5	120	1	4	5	2006-04-23	2025-06-23	1	bone resorption	12345	NULL
Wendsday,Sunday	19	2009-06-23	Psychologist	9	122	1	6	1	2012-06-23	2018-06-23	1	mental disorder	12345	sugar
Wendsday,Sunday	19	2009-06-23	Psychologist	9	122	1	6	1	2012-06-23	2018-06-23	1	mental disorder	12345	sugar
Saturday-Sunday	15	2002-01-23	sugar	12	593	1	42	43	2003-01-23	NULL	1	diabetes mellitus	12345	NULL
Friday-Monday	22	2009-02-23	astigmatism	8	143	1	124	13	2010-02-23	NULL	1	eye scratching or the use of glasses	12345	NULL
Friday-Monday	22	2009-02-23	astigmatism	8	143	1	124	13	2010-02-23	NULL	1	eye scratching or the use of glasses	12345	NULL
	0	NULL	NULL	NULL	NULL	0	0	0	NULL	NULL	0	NULL		NULL
Sunday-Monday	17	2014-05-23	aesthetic	194	190	1	122	50	2014-05-23	2021-05-23	1	rhinoplasty	12345	NULL
Sunday-Monday	17	2014-05-23	aesthetic	194	190	1	122	50	2014-05-23	2021-05-23	1	rhinoplasty	12345	NULL
	0	NULL	NULL	NULL	NULL	0	0	0	NULL	NULL	0	NULL		NULL
Monday-Thursday-Friday	1352	2001-04-23	NULL	NULL	NULL	1	139	142	2001-04-23	2003-05-23	1	cruciate ligament rupture	12345	NULL
Friday-Saturday	146	2017-03-23	NULL	NULL	NULL	1	127	1490	2018-03-23	NULL	1	lung cancer	12345	NULL
Friday-Saturday	146	2017-03-23	NULL	NULL	NULL	1	127	1490	2018-03-23	NULL	1	lung cancer	12345	NULL
Saturday-Sunday	142	2030-04-23	NULL	NULL	NULL	1	1322	8	2030-04-23	NULL	1	He is tired of being so interested in his students	12345	NULL
Saturday-Sunday	142	2030-04-23	NULL	NULL	NULL	1	1322	8	2030-04-23	NULL	1	He is tired of being so interested in his students	12345	NULL
	0	NULL	NULL	NULL	NULL	0	0	0	NULL	NULL	0	heart failure		NULL
Saturday-Monday-Sunday	2492	NULL	NULL	NULL	NULL	1	214	99	NULL	NULL	1	heart failure	12345	NULL



## 2)E-R Diagram for our 3NF Database



## 3NF TABLE QUERY

```
CREATE TABLE `Department` (  
  `department_id` int NOT NULL,  
  `department_name` varchar(20),  
  `head_id` int,  
  PRIMARY KEY (`department_id`)  
);  
  
INSERT INTO      `Department` ( `department_id`, `department_name`, `head_id` );  
  
SELECT DISTINCT  department_id , department_name , head_id  
FROM             hospital_patient_record;
```

```
CREATE TABLE `Positions` (  
  `position_id` int NOT NULL,  
  `position_name` varchar(20),  
  PRIMARY KEY (`position_id`)  
);  
  
INSERT INTO `Positions` ( `position_id`, `position_name` );  
  
SELECT DISTINCT  position_id, position_name  
FROM             hospital_patient_record;
```

```
CREATE TABLE `Employee` (  
  `employee_id` int NOT NULL,  
  `employee_fname` varchar(20),  
  `employee_lname` varchar(20),  
  `phone` varchar(10),  
  `sex` char(6),
```

```

`ssn` varchar(11),

`employee_type` varchar(11),

`department_id` int,

PRIMARY KEY (`employee_id`),

FOREIGN KEY (`department_id`) REFERENCES `Department`(`department_id`)

);

INSERT INTO      `Employee` ( `employee_id` , `employee_fname` , `employee_lname` , `phone` ,
`sex`,`ssn`, `employee_type`, `department_id`);

SELECT DISTINCT
employee_id,employee_fname,employee_lname,phone,sex,ssn,employee_type,department_id

FROM            hospital_patient_record;

```

```

CREATE TABLE `Admin` (

`id` int NOT NULL,

`password` varchar(20),

PRIMARY KEY (`id`)

);

INSERT INTO      `Admin` ( `id` , `password` );

SELECT DISTINCT  id , password

FROM            hospital_patient_record;

```

```

CREATE TABLE `Physician` (

`physician_id` int NOT NULL,

`position_id` int NOT NULL,

PRIMARY KEY (`physician_id`),

FOREIGN KEY (`position_id`) REFERENCES `Positions`(`position_id`)

);

```

```
INSERT INTO      `Physician` ( `physician_id`, `physician_name`, `position_id` );  
SELECT DISTINCT  physician_id , physician_name , position_id  
FROM            hospital_patient_record;
```

```
CREATE TABLE `Nurse` (  
  `nurse_id` int NOT NULL,  
  `position_id` int NOT NULL,  
  PRIMARY KEY (`nurse_id`),  
  FOREIGN KEY (`position_id`) REFERENCES `Positions`(`position_id`)  
);
```

```
INSERT INTO      `Nurse` (`nurse_id`, `name`, `position_id`);  
SELECT DISTINCT  nurse_id, name , position_id  
FROM            hospital_patient_record;
```

```
CREATE TABLE `Imaging Procedure` (  
  `id` int NOT NULL,  
  `name` varchar(20),  
  PRIMARY KEY (`id`)  
);  
INSERT INTO      `Imaging Procedure` ( `id`, `name` );  
SELECT DISTINCT  id , name  
FROM            hospital_patient_record;
```

```
CREATE TABLE `Radiologist` (  
  `employee_id` int NOT NULL,  
  `procedure_id` int NOT NULL,  
  PRIMARY KEY (`employee_id`),  
  FOREIGN KEY (`procedure_id`) REFERENCES `Imaging Procedure`(`id`)  
);  
  
INSERT INTO `Radiologist`(`employee_id`, `procedure_id`);  
  
SELECT DISTINCT employee_id,procedure_id  
  
FROM hospital_patient_record;
```

```
CREATE TABLE `Blood Types` (  
  `blood_id` int NOT NULL,  
  `protein_type` varchar(2),  
  `rh` boolean,  
  PRIMARY KEY (`blood_id`)  
);  
  
INSERT INTO `Blood Types`(`blood_id`, `protein_type`,`rh`);  
  
SELECT DISTINCT blood_id,protein_type,rh  
  
FROM hospital_patient_record;
```

```
CREATE TABLE `Patient` (  
  `patient_id` int NOT NULL,  
  `name` varchar(50),  
  `address` varchar(50),  
  `phone` varchar(10),  
  `sex` varchar(6),  
  `blood_id` int NOT NULL,
```

```

PRIMARY KEY (`patient_id`),

FOREIGN KEY (`blood_id`) REFERENCES `Blood Types`(`blood_id`)

);

INSERT INTO      `Patient` ( `patient_id` , `name` , `address` , `phone` , `sex` , `blood_id` );

SELECT DISTINCT  patient_id, name , address , phone,sex,blood_id

FROM            hospital_patient_record;

```

```

CREATE TABLE `Appointment` (

`appointment_id` int NOT NULL,

`physician_id` int NOT NULL,

`start_date` Date DEFAULT NULL,

`patient_id` int NOT NULL,

`department_id` int NOT NULL,

PRIMARY KEY (`appointment_id`),

FOREIGN KEY (`department_id`) REFERENCES `Department`(`department_id`),

FOREIGN KEY (`patient_id`) REFERENCES `Patient`(`patient_id`),

FOREIGN KEY (`physician_id`) REFERENCES `Physician`(`physician_id`)

);

INSERT INTO      `Appointment` ( `appointment_id` , `physician_id` , `start_date` , `patient_id` ,
`department_id` );

SELECT DISTINCT  appointment_id , physician_id , start_date , patient_id , department_id

FROM            hospital_patient_record;

```

```

CREATE TABLE `Blood Result` (

`patient_id` int NOT NULL,

`result_blood` varchar(50) DEFAULT NULL,

FOREIGN KEY (`patient_id`) REFERENCES `Patient`(`patient_id`)

);

```

```
INSERT INTO `Blood Result` ( `patient_id`, `result_blood` );
```

```
SELECT DISTINCT patient_id , result_blood  
FROM          hospital_patient_record;
```

```
CREATE TABLE `Past Imagings` (  
  `procedure_id` int NOT NULL,  
  `patient_id` int NOT NULL ,  
  `result_imaging` varchar(50) DEFAULT NULL,  
  FOREIGN KEY (`patient_id`) REFERENCES `Patient`(`patient_id`),  
  FOREIGN KEY (`procedure_id`) REFERENCES `Imaging Procedure`(`id`)  
);
```

```
INSERT INTO      `Past Imagings` ( `procedure_id`, `patient_id`, `result_imaging` );
```

```
SELECT DISTINCT  procedure_id , patient_id , result_imaging  
FROM            hospital_patient_record;
```

```
CREATE TABLE `Treatments` (  
  `treatment_code` int NOT NULL,  
  `treatment_name` varchar(20),  
  PRIMARY KEY (`treatment_code`)  
);
```

```
INSERT INTO      `Treatments` ( `treatment_code`, `treatment_name` );
```

```
SELECT DISTINCT  treatment_code , treatment_name  
FROM            hospital_patient_record;
```

```

CREATE TABLE `Patient Treatments` (

  `physician_id` int NOT NULL,

  `nurse_id` int NOT NULL,

  `patient_id` int NOT NULL,

  `treatment_code` int NOT NULL,

  `is_active` boolean NOT NULL,

  FOREIGN KEY (`patient_id`) REFERENCES `Patient`(`patient_id`),

  FOREIGN KEY (`physician_id`) REFERENCES `Physician`(`physician_id`),

  FOREIGN KEY (`treatment_code`) REFERENCES `Treatments`(`treatment_code`)

);

INSERT INTO    `Patient Treatments` (`physician_id` , `nurse_id` , `patient_id` , `treatment_code` ,
`is_active` );

SELECT DISTINCT  physician_id , nurse_id , patient_id , treatment_code , is_active

FROM            hospital_patient_record;

```

```

CREATE TABLE `Block` (

  `block_code` int NOT NULL,

  `department_id` int,

  PRIMARY KEY (`block_code`)

);

INSERT INTO `Block` ( `block_code` , `department_id` );

SELECT DISTINCT block_code , department_id

FROM            hospital_patient_record;

```



```

CREATE TABLE `Room` (
  `room_id` int NOT NULL ,
  `block_code` int NOT NULL,
  `available` boolean,
  PRIMARY KEY (`room_id`),
  FOREIGN KEY (`block_code`) REFERENCES `Block`(`block_code`)
);

INSERT INTO      'Room' ( `room_id` , `block_code` , `available` );

SELECT DISTINCT  room_id , block_code
FROM             hospital_patient_record;

```

```

CREATE TABLE `Hospitalization` (
  `stay_id` int NOT NULL,
  `patient_id` int NOT NULL,
  `room_id` int NOT NULL,
  `start_time` Date DEFAULT NULL,
  `end_time` Date DEFAULT NULL,
  `is_active` boolean NOT NULL,
  `physician_id` int NOT NULL,
  `nurse_id` int NOT NULL,
  PRIMARY KEY (`stay_id`),
  FOREIGN KEY (`patient_id`) REFERENCES `Patient`(`patient_id`),
  FOREIGN KEY (`physician_id`) REFERENCES `Physician`(`physician_id`),
  FOREIGN KEY (`room_id`) REFERENCES `Room`(`room_id`),
  FOREIGN KEY (`nurse_id`) REFERENCES `Nurse`(`nurse_id`)
);

```

```
INSERT INTO      `Hospitalization` (`stay_id`, `patient_id`, `room_id`, `start_time`, `end_time`,
`is_active`, `physician_id`, `nurse_id`, );
```

```
SELECT DISTINCT  stay_id , patient_id , room_id , start_time , end_time , is_active , physician_id ,
nurse_id
```

```
FROM            hospital_patient_record;
```

```
CREATE TABLE `Imaging Request` (
```

```
`physician_id` int NOT NULL,
```

```
`patient_id` int NOT NULL,
```

```
`imaging_proc_id` int NOT NULL,
```

```
FOREIGN KEY (`physician_id`) REFERENCES `Physician`(`physician_id`),
```

```
FOREIGN KEY (`imaging_proc_id`) REFERENCES `Imaging Procedure`(`id`)
```

```
);
```

```
INSERT INTO      `Imaging Request` ( `physician_id`, `patient_id`, `imaging_proc_id` );
```

```
SELECT DISTINCT  physician_id , patient_id , imaging_proc_id
```

```
FROM            hospital_patient_record;
```

```
CREATE TABLE `Blood Request` (
```

```
`physician_id` int NOT NULL ,
```

```
`patient_id` int NOT NULL,
```

```
FOREIGN KEY (`patient_id`) REFERENCES `Patient`(`patient_id`),
```

```
FOREIGN KEY (`physician_id`) REFERENCES `Physician`(`physician_id`)
```

```
);
```

```
INSERT INTO `Blood Request` ( `physician_id`, `patient_id` );
```

```
SELECT DISTINCT  physician_id , patient_id
```

```
FROM            hospital_patient_record
```

## VIEW QUERY:

CREATE VIEW Dataset AS

```
SELECT employee.employee_id, department.department_id, patient.patient_id,  
hospitalization.stay_id, treatments.treatment_code, appointment.appointment_id
```

```
FROM employee, department, patient, hospitalization, treatments, appointment;
```

## ER Diagram Images:

