

Health Care Database

Deliverable 3

HKH Urgent Care

Database Systems
3 May 2022

Urgent Care Database

In the healthcare industry, databases are used to store, organize, and manage vital health data such as medical records, medical orders, billing and payments, patient identification, and more. This information must remain private to the general public while being readily available to healthcare professionals who use it to save lives.

There are some problems that databases in urgent care are facing such as variation in critical database information. This is caused by a lack of clinical details and miscommunication about coding and language. Therefore, those in charge of healthcare database systems should strive for in-depth, accurate reporting and uniform language, as this will help keep administrative healthcare data as accurate and transparent as possible for efficient healthcare implementations.

In HKH urgent care, the database is developed to better understand their daily operations and position in the larger healthcare market. This allows the healthcare manager to make decisions about how to run the business, the work to do, and the systems to use to conduct operations. With the rapid advancement of healthcare technology and changes in healthcare operations following COVID-19, it is more vital than ever for healthcare databases to be organized, well-maintained, and simple to use.

User Requirement

HKH is an urgent care that is in need of a new database. This database needs to be able to improve healthcare interactions between healthcare providers and patients. Doctors, nurses, and other medical staff should use the data from the patient's medical record as the foundation for making a diagnosis. Using the medical record can help guide the clinical staff through the process of each patient's visit. Nurses are required to verify a patient's medical history and update the patient's chart. The Administrative staff is responsible for managing the database, registering each patient, confirming insurance information, assigning rooms, and replenishing clinical supplies.

Business Rules

All foreign keys are highlighted in red

HKH Urgent Care has a large amount of staff. The attributes of staff are staff_ID (identifier), first name & last name, salary, address, and phone number.

The entity staff has three subtypes. Doctors, Nurses, and Administrative. Staff may or may not be one of the following subtypes. However, a staff in one of these subtypes cannot be at the same time as one of the other subtypes.

One staff manages many staff and all staff is managed by one manager.

Each doctor needs specialization and qualifications recorded. Nurses need to record the number of hours of their shifts.

Administrators are responsible for registering patients, issuing bills for service, and placing orders. They must work on at least one of these subtypes. The subtype of registration should have a patient_ID, date, and time of registration. Whenever a patient is registered, a room is assigned to them. Every room assigned has room_number (identifier) and the patient_ID (foreign key)

As for the billing subtypes, self-pay and insurance pay are subtypes. The billing must be exactly one of these subtypes. An insurance number (identifier) is required for the insurance payments. If the patient does not have insurance, they must be able to pay for the visit fees with the Self-Pay option.

For the Order subtype, Item_ID, item cost, and shipping cost are attributes. Vendor supplies requested items for Administration. If an order is placed a transaction date is required. For every order, you must have at least one vendor.

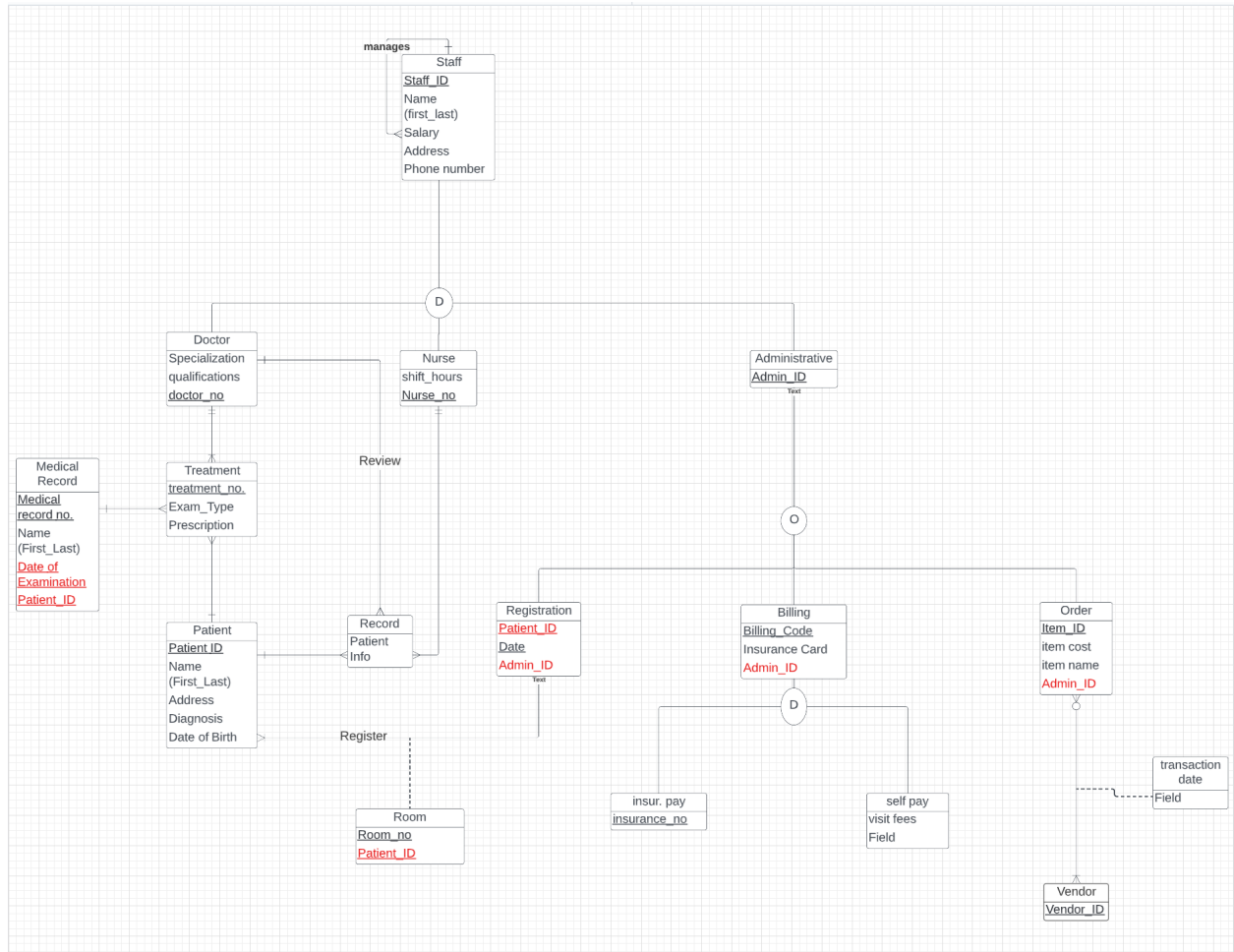
A Patient entity has the following attributes: patient ID (identifier), Name (first - last), date of birth, address, and diagnosis.

A patient must be overseen by at least one nurse. A nurse must oversee many patients. When overseeing a patient a nurse must record patient information under the entity record. A doctor will review the entity record when treating a patient.

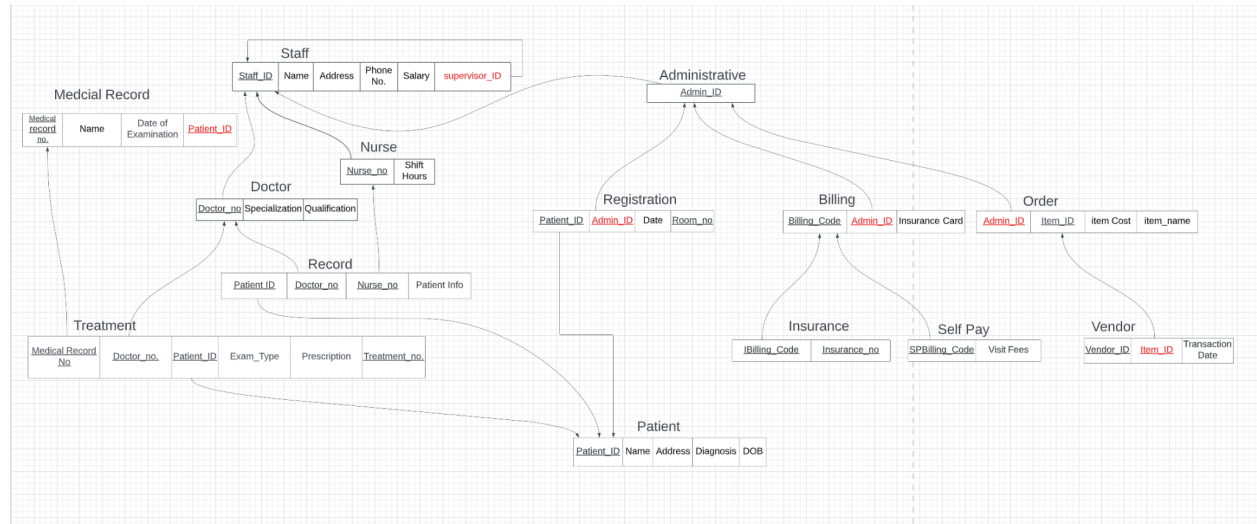
When a patient is registered in urgent care, they must have exactly one doctor. A doctor may oversee any number of patients. Whenever a patient is treated, the healthcare records the details of the treatment. The components of Treatment Detail include exam type, prescription, and lab_test. During the treatment, the doctor may request patients to do lab tests or prescribe a prescription.

Whenever a treatment is recorded, the medical record is updated for that patient. If the patient is not in the system, a medical record is created for the patient. The medical record has the following attributes: Patient_ID, Name of Patient, Date of Examination, Patient History, and Medical Record Number.

Entity Relationship Diagram



Third Normal Form



SQL TABLES

```
CREATE TABLE STAFF (STAFF_ID NUMBER NOT NULL,  
  
STAFF_NAME VARCHAR(25),  
  
STAFF_ADDRESS VARCHAR(30),  
  
STAFF_SUPERVISOR NUMBER,  
  
SALARY VARCHAR(10),  
  
PHONE_NUMBER VARCHAR(10),  
  
CONSTRAINT STAFF_PK PRIMARY KEY(STAFF_ID))
```

```
CREATE TABLE DOCTOR  
  
(DOCTOR_NO NUMBER NOT NULL,  
  
SPECIALIZATION VARCHAR(25),  
  
QUALIFICATIONS VARCHAR(30),  
  
CONSTRAINT DOCTOR_PK PRIMARY KEY (DOCTOR_NO),  
  
CONSTRAINT DOCTOR_FK FOREIGN KEY (DOCTOR_NO) REFERENCES STAFF (STAFF_ID))
```

```
ALTER TABLE STAFF FOREIGN KEY (STAFF_SUPERVISOR) REFERENCES STAFF  
(STAFF_ID)
```

```
CREATE TABLE NURSE

(NURSE_NO NUMBER NOT NULL,

SHIFT_HOURS VARCHAR(25),

CONSTRAINT NURSE_NO PRIMARY KEY (NURSE_NO),

CONSTRAINT NURSE_FK FOREIGN KEY (NURSE_NO) REFERENCES STAFF (STAFF_ID))


CREATE TABLE ADMINISTRATIVE

(ADMIN_ID NUMBER NOT NULL,

CONSTRAINT ADMINISTRATIVE_PK PRIMARY KEY (ADMIN_ID),

CONSTRAINT ADMINISTRATIVE_FK FOREIGN KEY (ADMIN_ID) REFERENCES STAFF

(STAFF_ID))


CREATE TABLE PATIENT (PATIENT_ID NUMBER NOT NULL,

PATIENT_NAME VARCHAR(25),

PATIENT_ADDRESS VARCHAR(30),

PATIENT_DIAGNOSIS VARCHAR(10),

PATIENT_DOB DATE DEFAULT SYSDATE,

CONSTRAINT PATIENT_PK PRIMARY KEY(PATIENT_ID))
```



```
CREATE TABLE MEDICAL_RECORD

(MEDICAL_RECORD_NO NUMBER NOT NULL,

PATIENT_NAME VARCHAR(25),

DATE_OF_EXAMINATION DATE DEFAULT SYSDATE,

PATIENT_ID NUMBER,

CONSTRAINT MEDICAL_RECORD_PK PRIMARY KEY (MEDICAL_RECORD_NO),

CONSTRAINT MEDICAL_RECORD_FK FOREIGN KEY (PATIENT_ID)

REFERENCES PATIENT(PATIENT_ID))


CREATE TABLE TREATMENT

(TREATMENT_NO NUMBER NOT NULL,

MEDICAL_RECORD_NO NUMBER NOT NULL,

DOCTOR_NO NUMBER NOT NULL,

PATIENT_ID NUMBER NOT NULL,

EXAM_TYPE VARCHAR(50),

PRESCRIPTION VARCHAR(50),

CONSTRAINT TREATMENT_PK PRIMARY KEY (TREATMENT_NO, MEDICAL_RECORD_NO,

DOCTOR_NO, PATIENT_ID),

CONSTRAINT TREATMENT_FK1 FOREIGN KEY (MEDICAL_RECORD_NO) REFERENCES

MEDICAL_RECORD(MEDICAL_RECORD_NO),

CONSTRAINT TREATMENT_FK2 FOREIGN KEY (DOCTOR_NO) REFERENCES

DOCTOR(DOCTOR_NO),

CONSTRAINT TREATMENT_FK3 FOREIGN KEY (PATIENT_ID) REFERENCES

PATIENT(PATIENT_ID))
```

```
CREATE TABLE RECORD_S

(PATIENT_ID NUMBER NOT NULL,

DOCTOR_NO NUMBER NOT NULL,

NURSE_NO NUMBER NOT NULL,

PATIENT_INFO VARCHAR(50),

CONSTRAINT RECORD_S_PK PRIMARY KEY (PATIENT_ID, DOCTOR_NO, NURSE_NO),

CONSTRAINT RECORD_S_FK1 FOREIGN KEY (PATIENT_ID) REFERENCES

PATIENT(PATIENT_ID),

CONSTRAINT RECORD_S_FK2 FOREIGN KEY (DOCTOR_NO) REFERENCES

DOCTOR(DOCTOR_NO),

CONSTRAINT RECORD_S_FK3 FOREIGN KEY (NURSE_NO) REFERENCES NURSE(NURSE_NO))


CREATE TABLE REGISTRATION

(PATIENT_ID NUMBER NOT NULL,

ADMIN_ID NUMBER,

REGISTRATION_DATE DATE DEFAULT SYSDATE,

ROOM_NO NUMBER NOT NULL,

CONSTRAINT REGISTRATION_PK PRIMARY KEY (PATIENT_ID, ROOM_NO),

CONSTRAINT REGISTRATION_FK1 FOREIGN KEY (PATIENT_ID) REFERENCES

PATIENT(PATIENT_ID),

CONSTRAINT REGISTRATION_FK2 FOREIGN KEY (ADMIN_ID) REFERENCES

ADMINISTRATIVE(ADMIN_ID))
```

```
CREATE TABLE BILLING

(BILLING_CODE VARCHAR(4) NOT NULL,

ADMIN_ID NUMBER,

CONSTRAINT BILLING_PK PRIMARY KEY (BILLING_CODE),

CONSTRAINT BILLING_FK1 FOREIGN KEY (ADMIN_ID) REFERENCES
ADMINISTRATIVE (ADMIN_ID) )


CREATE TABLE SELF_PAY

(SP_BILLING_CODE VARCHAR(4) NOT NULL,

VISIT_FEES VARCHAR (10),

CONSTRAINT SELF_PAY_PK PRIMARY KEY (SP_BILLING_CODE),

CONSTRAINT SELF_PAY_FK FOREIGN KEY (SP_BILLING_CODE) REFERENCES
BILLING (BILLING_CODE) )


CREATE TABLE INSURANCE

(I_BILLING_CODE VARCHAR(4) NOT NULL,

INSURANCE_NO NUMBER NOT NULL,

CONSTRAINT INSURANCE_PK PRIMARY KEY (I_BILLING_CODE, INSURANCE_NO),

CONSTRAINT INSURANCE_FK FOREIGN KEY (I_BILLING_CODE) REFERENCES
BILLING (BILLING_CODE) )
```

```
CREATE TABLE ORDER_S

(ITEM_ID NUMBER NOT NULL,

ITEM_NAME VARCHAR(30),

ADMIN_ID NUMBER,

ITEM_COST NUMBER,

CONSTRAINT ORDER_S_PK PRIMARY KEY (ITEM_ID),

CONSTRAINT ORDER_S_FK FOREIGN KEY (ADMIN_ID) REFERENCES
ADMINISTRATIVE(ADMIN_ID))


CREATE TABLE VENDOR

(VENDOR_ID NUMBER NOT NULL,

ITEM_ID NUMBER,

TRANSACTION_DATE DATE DEFAULT SYSDATE,

CONSTRAINT VENDOR_PK PRIMARY KEY (VENDOR_ID),

CONSTRAINT VENDOR_FK FOREIGN KEY (ITEM_ID) REFERENCES ORDER_S(ITEM_ID))
```

DATA FOR SQL TABLES

```
INSERT INTO Staff (Staff_ID, Staff_Name, Staff_Address, Staff_Supervisor,  
Salary, Phone_Number)
```

```
VALUES ('145', 'Jed Riddle', '7233 Eagles Drive Richmond VA', '1',  
'$80000', '5152937076');
```

```
INSERT INTO Staff (Staff_ID, Staff_Name, Staff_Address, Staff_Supervisor,  
Salary, Phone_Number)
```

```
VALUES ('159', 'JBoris Mahoney', '491 Brook Dr. Richmond VA', '1',  
'$82000', '9046291460');
```

```
INSERT INTO Staff (Staff_ID, Staff_Name, Staff_Address, Staff_Supervisor,  
Salary, Phone_Number)
```

```
VALUES ('165', 'Claudia Harrington', '9 Tor Dr. Richmond VA', '1',  
'$95000', '9046318482');
```

```
INSERT INTO Staff (Staff_ID, Staff_Name, Staff_Address, Staff_Supervisor,  
Salary, Phone_Number)
```

```
VALUES ('198', 'Amy-Leigh Mccoy', '93 Front Dr. Richmond VA', '1',  
'$93000', '9049396242');
```

```
INSERT INTO Staff (Staff_ID, Staff_Name, Staff_Address, Staff_Supervisor,  
Salary, Phone_Number)
```

```
VALUES ('125', 'Huda Beltran', '559 Fremont Dr. Richmond VA', '1',  
'$85000', '6263121590');
```

```
INSERT INTO Staff (Staff_ID, Staff_Name, Staff_Address, Staff_Supervisor,  
Salary, Phone_Number)
```

```
VALUES ('155', 'Neo Merritt', '4523 Glen Rd. Richmond VA', '1', '$81000',  
'5169857076');
```

```
INSERT INTO Staff (Staff_ID, Staff_Name, Staff_Address, Staff_Supervisor,  
Salary, Phone_Number)
```

```
VALUES ('167', 'Nafisa Glass', '650 Mont Dr. Richmond VA', '1', '$85000',  
'6267598590');
```

```
INSERT INTO Staff (Staff_ID, Staff_Name, Staff_Address, Staff_Supervisor,  
Salary, Phone_Number)
```

```
VALUES ('245', 'Inaya Blanken', '23 More St. Richmond VA', '3', '$42000',  
'9047232803');
```

```
INSERT INTO Staff (Staff_ID, Staff_Name, Staff_Address, Staff_Supervisor,  
Salary, Phone_Number)
```

```
VALUES ('233', 'Stanley Bull', '62 Birch Hill St. Richmond VA', '3',  
'$40500', '9046442324');
```

```
INSERT INTO Staff (Staff_ID, Staff_Name, Staff_Address, Staff_Supervisor,  
Salary, Phone_Number)
```

```
VALUES ('219', 'Ana Nava', '90 Bohemia St. Richmond VA', '3', '$43900',  
'9046773403');
```

```
INSERT INTO Doctor (Doctor_NO, SPECIALIZATION, QUALIFICATIONS)
```

```
Values (198, 'Family Medicine', 'USMLE');
```

```
INSERT INTO Doctor (Doctor_NO, SPECIALIZATION, QUALIFICATIONS)
```

```
Values (165, 'Internal Medicine', 'USMLE');
```

```
INSERT INTO Doctor (Doctor_NO, SPECIALIZATION, QUALIFICATIONS)
```

```
Values (145, 'Emergency Medicine', 'USMLE');
```

```
INSERT INTO Nurse (NURSE_NO, SHIFT_HOURS) VALUES (159, '12')
```

```
Begin
```

```
INSERT INTO Nurse VALUES (125, '12');
```

```
INSERT INTO Nurse VALUES (155, '10');
```

```
INSERT INTO Nurse VALUES (167, '10'); END;
```

```
INSERT INTO ADMINISTRATIVE (ADMIN_ID) Values (245);
```

```
INSERT INTO ADMINISTRATIVE (ADMIN_ID) Values (233);
```

```
INSERT INTO ADMINISTRATIVE (ADMIN_ID) Values (219);
```

```
INSERT INTO PATIENT (PATIENT_ID, PATIENT_NAME, PATIENT_ADDRESS,  
PATIENT_DIAGNOSIS, PATIENT_DOB)
```

```
VALUES ('59128', 'Frank Vega', '13 NY Ave Hopewell, VA, 23860', 'B45',  
'01-09-1997');
```

```
INSERT INTO PATIENT (PATIENT_ID, PATIENT_NAME, PATIENT_ADDRESS,  
PATIENT_DIAGNOSIS, PATIENT_DOB)
```

```
VALUES ('84026', 'William Bentley', '131 Willow Clifton, VA, 20124',  
'B98', '09-01-1997');
```

```
BEGIN
```

```
INSERT INTO PATIENT VALUES ('01737','Sarah White', '131 Major Dr Sperry,  
VA, 22740', 'B56', '04-12-2002');
```

```
INSERT INTO PATIENT VALUES ('21419','Eric Peterson','213 St Waynesboro,  
VA, 22980', 'B08', '06-05-1987');
```

```
INSERT INTO PATIENT VALUES ('56890', 'Ashley Stone', '254 Brick Richmond,  
VA, 20152', 'C88', '08-28-1997');
```

```
INSERT INTO PATIENT VALUES ('25502','Stacy Jones', '255 DC Dr Christian,  
VA, 24073', 'A78', '10-30-1991');
```

```
INSERT INTO PATIENT VALUES ('96028', 'Mark Evans', '55 Thomas Rd Marion,  
VA, 24354', 'D34', '09-07-2001');
```

```
INSERT INTO PATIENT VALUES ('08781', 'John Elliot', '550 Walk Powhatan,  
VA, 23139', 'H2', '05-07-1984');
```

```
INSERT INTO PATIENT VALUES ('04964', 'Mary Frome', '255 Duke Rd Lotburg,  
VA, 22511', 'H45', '10-12-2004');
```

```

INSERT INTO PATIENT VALUES ('08473', 'Paul Sullivan', '6 Winter Dr
Radford, VA, 24141', 'J99', '03-02-1996');

INSERT INTO PATIENT VALUES ('88390', 'Brendon Stewart', '18 Rose St
Richmond, VA, 23222', 'Z34', '01-06-1999');

INSERT INTO PATIENT VALUES ('34632', 'Reagan Kayson', '37 N Ave Richmond,
VA, 23220', 'L23', '09-24-1965');

INSERT INTO PATIENT VALUES ('80488', 'Lana Chandler', '10 X St Richmond,
VA, 23223', 'G25', '04-11-1950');

INSERT INTO PATIENT VALUES ('67951', 'Dina Ivan', '2 Royal St Richmond,
VA, 23223', 'A2', '02-13-1973');

INSERT INTO PATIENT VALUES ('34811', 'Calvin Smith', '701 Sun Rd Richmond,
VA, 23224', 'A93', '12-17-1989');

END;
-----

INSERT INTO Medical_Record (Medical_Record_No, Patient_Name,
Date_of_Examination, Patient_ID)

VALUES ('7695145', 'Frank Vega', '05-26-2021', '59128');

Begin

INSERT INTO MEDICAL_RECORD VALUES ('6578392', 'William Bentley',
'8/28/2021', '84026');

INSERT INTO MEDICAL_RECORD VALUES ('1462785', 'Sarah White', '10/11/2021',
'01737');

INSERT INTO MEDICAL_RECORD VALUES ('6513279', 'Eric Peterson', '3/8/2022',
'21419');

INSERT INTO MEDICAL_RECORD VALUES ('5426497', 'Ashley Stone', '5/17/2021',
'56890');

INSERT INTO MEDICAL_RECORD VALUES ('8453674', 'Stacy Jones', '3/10/2022',
'25502');

```



```

INSERT INTO MEDICAL_RECORD VALUES ('8497316', 'Mark Evans', '4/5/2022',
'96028');

INSERT INTO MEDICAL_RECORD VALUES ('1358764', 'John
Elliot','7/21/2021','08781');

INSERT INTO MEDICAL_RECORD VALUES ('1329865', 'Mary Frome', '5/28/2021',
'04964');

INSERT INTO MEDICAL_RECORD VALUES ('7933821', 'Paul Sullivan',
'12/13/2021', '08473');

INSERT INTO MEDICAL_RECORD VALUES ('6421897', 'Brendon Stewart',
'3/23/2022', '88390');

INSERT INTO MEDICAL_RECORD VALUES ('7836291', 'Reagan Kayson',
'12/22/2021', '34632');

INSERT INTO MEDICAL_RECORD VALUES ('3452971', 'Lana Chandler',
'2/11/2022', '80488');

INSERT INTO MEDICAL_RECORD VALUES ('8227643', 'Dina Ivan', '5/13/2021',
'67951');

INSERT INTO MEDICAL_RECORD VALUES ('3467125', 'Calvin Smith', '3/6/2022',
'34811');

END;
-----

INSERT INTO Treatment (Treatment_NO, Medical_Record_NO, Doctor_NO,
Patient_ID, Exam_Type, Prescription)

VALUES ('6493', '7695145', '165','59128', 'BLOOD COUNT',
'Zofran-ondansetron');

Begin

INSERT INTO Treatment VALUES ('8579', '6578392', '198', '84026','GENETIC',
'Ciprofloxacin');

INSERT INTO Treatment VALUES ('1793', '1462785', '145', '01737','KIDNEY',
'Zithromax');

```

```
INSERT INTO Treatment VALUES ('2894', '6513279', '145', '21419',  
'LABARATORY', 'azithromycin');  
  
INSERT INTO Treatment VALUES ('4753', '5426497', '165', '56890',  
'PRENATAL', 'Prilosec');  
  
INSERT INTO Treatment VALUES ('8265', '8453674', '198', '25502',  
'THYROID', 'Zithromax');  
  
INSERT INTO Treatment VALUES ('5718', '8497316', '198', '96028',  
'URINALYSIS', 'Amoxicillin-clavulanate');  
  
INSERT INTO Treatment VALUES ('6281', '1358764', '198', '08781', 'BLOOD  
COUNT', 'Metformin');  
  
INSERT INTO Treatment VALUES ('2576', '1329865', '165', '04964',  
'GENETIC', 'Doxycycline');  
  
INSERT INTO Treatment VALUES ('4987', '7933821', '165', '08473', 'KIDNEY',  
'Terconazole');  
  
INSERT INTO Treatment VALUES ('3614', '6421897', '145', '88390',  
'LABARATORY', 'Acetaminophen');  
  
INSERT INTO Treatment VALUES ('2483', '7836291', '145', '34632',  
'PRENATAL', 'ibuprofen');  
  
INSERT INTO Treatment VALUES ('8472', '3452971', '198', '80488',  
'THYROID', 'Deltasone');  
  
INSERT INTO Treatment VALUES ('9786', '8227643', '145', '67951',  
'URINALYSIS', 'Acetaminophen');  
  
INSERT INTO Treatment VALUES ('9786', '3467125', '165', '34811', 'BLOOD  
COUNT', '');  
  
End;
```

```

INSERT INTO Record_S (Patient_ID, DOCTOR_NO, NURSE_NO, PATIENT_INFO)
VALUES ('59128', '165', '125', 'Can not keep food down')

Begin

INSERT INTO RECORD_S VALUES ('84026', '198', '155', 'Itchy throat,
inflamed');

INSERT INTO RECORD_S VALUES ('21419', '145', '167', 'Possible ear
infection');

INSERT INTO RECORD_S VALUES ('56890', '145', '125', 'Chest discomfort,
Shortness of breath');

INSERT INTO RECORD_S VALUES ('25502', '165', '155', 'difficulty
swallowing, and cough');

INSERT INTO RECORD_S VALUES ('96028', '198', '167', 'stabbing chest pain,
fever - 101.4');

INSERT INTO RECORD_S VALUES ('08781', '198', '125', 'Pain Swallowing, Red
and swollen tonsils');

INSERT INTO RECORD_S VALUES ('04964', '198', '155', 'profuse sweating,
weakness or feeling faint');

End;

-----

INSERT INTO Registration (Patient_ID, ADMIN_ID, Registration_Date,
Room_No)
VALUES ('59128', '245', '5/26/2021', '1');

BEGIN

INSERT INTO REGISTRATION VALUES ('84026', 233, '12/10/2021', 2);

INSERT INTO REGISTRATION VALUES ('01737', 219, '12/23/2021', 1);

INSERT INTO REGISTRATION VALUES ('21419', 245, '12/30/2021', 3);

```

```
INSERT INTO REGISTRATION VALUES ('56890', 233, '1/24/2022', 1);

INSERT INTO REGISTRATION VALUES ('25502', 219, '2/3/2022', 2);

INSERT INTO REGISTRATION VALUES ('96028', 245, '2/4/2022', 1);

INSERT INTO REGISTRATION VALUES ('08781', 233, '2/10/2022', 3);

INSERT INTO REGISTRATION VALUES ('04964', 219, '2/22/2022', 4);

INSERT INTO REGISTRATION VALUES ('08473', 245, '2/28/2022', 2);

INSERT INTO REGISTRATION VALUES ('88390', 233, '3/9/2022', 3);

INSERT INTO REGISTRATION VALUES ('34632', 219, '3/17/2022', 4);

INSERT INTO REGISTRATION VALUES ('80488', 245, '3/25/2022', 4);

INSERT INTO REGISTRATION VALUES ('67951', 233, '3/31/2022', 2);

INSERT INTO REGISTRATION VALUES ('34811', 219, '4/4/2022', 3);

END;
```

```
INSERT INTO BILLING (BILLING_CODE, ADMIN_ID)

VALUES ('9Q39', 245);
```

```
INSERT INTO BILLING (BILLING_CODE, ADMIN_ID)

VALUES ('YA89', 233);
```

```
Begin
```

```
INSERT INTO BILLING VALUES ('OM9M', 219);
```

```
INSERT INTO BILLING VALUES ('06L1', 245);
```

```
INSERT INTO BILLING VALUES ('IA2R', 233);
```

```
INSERT INTO BILLING VALUES ('XR73', 219);

INSERT INTO BILLING VALUES ('PWXa', 245);

INSERT INTO BILLING VALUES ('VFAQ', 233);

INSERT INTO BILLING VALUES ('6RO8', 219);

INSERT INTO BILLING VALUES ('ME0Y', 245);

INSERT INTO BILLING VALUES ('AACP', 233);

INSERT INTO BILLING VALUES ('80GM', 219);

INSERT INTO BILLING VALUES ('IODH', 245);

INSERT INTO BILLING VALUES ('FR08', 233);

INSERT INTO BILLING VALUES ('FLN8', 219);

END;
```

```
INSERT INTO Self_Pay (SP_Billing_Code, Visit_Fees)

VALUES ('9Q39', '$744.11');

BEGIN

INSERT INTO SELF_PAY VALUES ('YA89', '$653.71');

INSERT INTO SELF_PAY VALUES ('OM9M', '$945.79');

INSERT INTO SELF_PAY VALUES ('06L1', '$631.34');

INSERT INTO SELF_PAY VALUES ('IA2R', '$872.81');

INSERT INTO SELF_PAY VALUES ('XR73', '$1,116.52');

INSERT INTO SELF_PAY VALUES ('PWXa', '$634.58');

INSERT INTO SELF_PAY VALUES ('VFAQ', '$924.44');

INSERT INTO SELF_PAY VALUES ('6RO8', '$637.98');
```

```
INSERT INTO SELF_PAY VALUES ('ME0Y', '$831.31');

INSERT INTO SELF_PAY VALUES ('AAP', '$879.98');

INSERT INTO SELF_PAY VALUES ('80GM', '$853.51');

INSERT INTO SELF_PAY VALUES ('IODH', '$666.69');

INSERT INTO SELF_PAY VALUES ('FR08', '$753.59');

INSERT INTO SELF_PAY VALUES ('FLN8', '$670.30');

END;
```

```
INSERT INTO INSURANCE (I_Billing_Code, Insurance_NO)

VALUES ('9Q39', '716279247');
```

```
BEGIN
```

```
INSERT INTO INSURANCE VALUES ('YA89', '32390356');

INSERT INTO INSURANCE VALUES ('OM9M', '7283113');

INSERT INTO INSURANCE VALUES ('06L1', '708706739');

INSERT INTO INSURANCE VALUES ('IA2R', '489986413');

INSERT INTO INSURANCE VALUES ('XR73', '202635773');

INSERT INTO INSURANCE VALUES ('PWX', '540860068');

INSERT INTO INSURANCE VALUES ('VFAQ', '728075199');

INSERT INTO INSURANCE VALUES ('6RO8', '434285035');

INSERT INTO INSURANCE VALUES ('ME0Y', '91650801');

INSERT INTO INSURANCE VALUES ('AAP', '43543061');

INSERT INTO INSURANCE VALUES ('80GM', '840815878');

INSERT INTO INSURANCE VALUES ('IODH', '32822899');

INSERT INTO INSURANCE VALUES ('FR08', '2450961');
```

```
INSERT INTO INSURANCE VALUES ('FLN8', '501665112');
```

```
END;
```

```
-----
```

```
INSERT INTO ORDER_S (ITEM_ID, ITEM_NAME, ADMIN_ID, ITEM_COST)
```

```
VALUES (567, 'Mask', 245, 45.98);
```

```
Begin
```

```
INSERT INTO ORDER_S VALUES (665, 'Gloves-Large', 245, 87.90);
```

```
INSERT INTO ORDER_S VALUES (313, 'Perineal Cold Pack', 233, 23.20 );
```

```
INSERT INTO ORDER_S VALUES (528, 'Elastic Wrap', 233, 30.25 );
```

```
INSERT INTO ORDER_S VALUES (609, 'Closure Tray', 219, 155.49);
```

```
INSERT INTO ORDER_S VALUES (195, 'Emesis Bag', 219, 80.87 );
```

```
INSERT INTO ORDER_S VALUES (909, 'Mini Scissors', 245, 25.90);
```

```
INSERT INTO ORDER_S VALUES (285, 'Tube Introducer ', 245, 64.56);
```

```
INSERT INTO ORDER_S VALUES (856, 'Obstetrical Kit', 233, 72.40 );
```

```
INSERT INTO ORDER_S VALUES (276, 'Disposable Penlight', 233, 81.12);
```

```
INSERT INTO ORDER_S VALUES (17, 'Surgical Tape', 233, 105.21);
```

```
INSERT INTO ORDER_S VALUES (696, 'Adhesive Bandages ', 245, 33.38);
```

```
INSERT INTO ORDER_S VALUES (643, 'Wound Closures ', 245, 104.15);
```

```
INSERT INTO ORDER_S VALUES (328, 'COVID Nasal Rapid TEST KIT ', 245,  
239.00);
```

```
INSERT INTO ORDER_S VALUES (617, 'Heart Start SOFT CASE SYSTEM', 219,  
567.00);
```

```
END;
```

```
-----
```

```
INSERT INTO VENDOR (VENDOR_ID, ITEM_ID, TRANSACTION_DATE)
VALUES (21, 567, '4/28/2022');
```

Begin

```
INSERT INTO VENDOR VALUES (18, 665, '3/4/2022');
INSERT INTO VENDOR VALUES (79, 313, '3/9/2022');
INSERT INTO VENDOR VALUES (65, 528, '3/9/2022');
INSERT INTO VENDOR VALUES (29, 609, '3/14/2022');
INSERT INTO VENDOR VALUES (8, 195, '3/14/2022');
INSERT INTO VENDOR VALUES (9, 909, '3/16/2022');
INSERT INTO VENDOR VALUES (30, 285, '3/16/2022');
INSERT INTO VENDOR VALUES (86, 856, '3/29/2022');
INSERT INTO VENDOR VALUES (24, 276, '3/29/2022');
INSERT INTO VENDOR VALUES (47, 17, '3/29/2022');
INSERT INTO VENDOR VALUES (37, 696, '4/12/2022');
INSERT INTO VENDOR VALUES (95, 643, '4/12/2022');
INSERT INTO VENDOR VALUES (51, 328, '4/12/2022');
INSERT INTO VENDOR VALUES (25, 617, '4/28/2022');
END;
```

Table and Records

desc patient

Results

Explain

Describe

Saved SQL

History

Object Type

TABLE ?

Object

PATIENT ?

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
PATIENT	PATIENT_ID	NUMBER	22	-	-	1	-	-	-
	PATIENT_NAME	VARCHAR2	25	-	-	-	✓	-	-
	PATIENT_ADDRESS	VARCHAR2	30	-	-	-	✓	-	-
	PATIENT_DIAGNOSIS	VARCHAR2	10	-	-	-	✓	-	-
	PATIENT_DOB	DATE	7	-	-	-	✓	SYSDATE	-

select* from patient

PATIENT_ID	PATIENT_NAME	PATIENT_ADDRESS	PATIENT_DIAGNOSIS	PATIENT_DOB
84026	William Bentley	131 Willow Clifton, VA, 20124	B98	09/01/1997
1737	Sarah White	131 Major Dr Sperry, VA, 22740	B56	04/12/2002
21419	Eric Peterson	213 St Waynesboro, VA, 22980	B08	06/05/1987
56890	Ashley Stone	254 Brick Richmond, VA, 20152	C88	08/28/1997
25502	Stacy Jones	255 DC Dr Christian, VA, 24073	A78	10/30/1991
96028	Mark Evans	55 Thomas Rd Marion, VA, 24354	D34	09/07/2001
8781	John Elliot	550 Walk Powhatan, VA, 23139	H2	05/07/1984
4964	Mary Frome	255 Duke Rd Lotburg, VA, 22511	H45	10/12/2004
8473	Paul Sullivan	6 Winter Dr Radford, VA, 24141	J99	03/02/1996
88390	Brendon Stewart	18 Rose St Richmond, VA, 23222	Z34	01/06/1999

select* from staff

```
desc staff
```

STAFF_ID	STAFF_NAME	STAFF_ADDRESS	STAFF_SUPERVISOR	SALARY	PHONE_NUMBER
165	Claudia Harrington	9 Tor Dr. Richmond VA	1	\$95000	9046318482
145	Jed Riddle	7233 Eagles Drive Richmond VA	1	\$80000	5152937076
125	Huda Beltran	559 Fremont Dr. Richmond VA	1	\$85000	6263121590
167	Nafisa Glass	650 Mont Dr. Richmond VA	1	\$85000	6267598590
233	Stanley Bull	62 Birch Hill St. Richmond VA	3	\$40500	9046442324
219	Ana Nava	90 Bohemia St. Richmond VA	3	\$43900	9046773403
159	JBoris Mahoney	491 Brook Dr. Richmond VA	1	\$82000	9046291460
198	Amy-Leigh Mccoy	93 Front Dr. Richmond VA	1	\$93000	9049396242
155	Neo Merritt	4523 Glen Rd. Richmond VA	1	\$81000	5169857076
245	Inaya Blanken	23 More St. Richmond VA	3	\$42000	9047232803

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
STAFF	STAFF_ID	NUMBER	22	-	-	1	-	-	-
	STAFF_NAME	VARCHAR2	25	-	-	-	✔	-	-
	STAFF_ADDRESS	VARCHAR2	30	-	-	-	✔	-	-
	STAFF_SUPERVISOR	NUMBER	22	-	-	-	✔	-	-
	SALARY	VARCHAR2	10	-	-	-	✔	-	-
	PHONE_NUMBER	VARCHAR2	10	-	-	-	✔	-	-

```
select* from nurse desc nurse
```

NURSE_NO	SHIFT_HOURS
125	12
155	10
167	10

7 rows returned in 0.00 seconds Download

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
NURSE	NURSE_NO	NUMBER	22	-	-	1	-	-	-
	SHIFT_HOURS	VARCHAR2	25	-	-	-	✔	-	-

```
select* from doctor desc doctor
```

DOCTOR_NO	SPECIALIZATION	QUALIFICATIONS
198	Family Medicine	USMLE
165	Internal Medicine	USMLE
145	Emergency Medicine	USMLE

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comments
DOCTOR	DOCTOR_NO	NUMBER	22	-	-	1	-	-	-
	SPECIALIZATION	VARCHAR2	25	-	-	-	✓	-	-
	QUALIFICATIONS	VARCHAR2	30	-	-	-	✓	-	-

1	SELECT * FROM ADMINISTRATIVE
Results	Explain Describe Saved SQL History
ADMIN_ID	
219	
233	
245	
3 rows returned in 0.01 seconds Download	

Column Name	Data Type	Nullable	Default	Primary Key
ADMIN_ID	NUMBER	No	-	1

1	SELECT * FROM TREATMENT				
Results	Explain	Describe	Saved SQL	History	
TREATMENT_NO	MEDICAL_RECORD_NO	DOCTOR_NO	PATIENT_ID	EXAM_TYPE	PRESCRIPTION
6493	7695145	165	59128	RUA9	Zofran-ondansetron
8579	6578392	198	84026	VOQ6	Ciprofloxacin
1793	1462785	145	1737	DZQV	Zithromax
2894	6513279	145	21419	EM4E	azithromycin
4753	5426497	165	56890	K48B	Prilosec
8265	8453674	198	25502	DZQV	Zithromax
5718	8497316	198	96028	OZJQ	Amoxicillin-clavulanate
6281	1358764	198	8781	7RHS	Metformin
2576	1329865	165	4964	O43D	Doxycycline
4987	7933821	165	8473	RDJA	Terconazole
3614	6421897	145	88390	P2LM	Acetaminophen
2483	7836291	145	34632	P2LM	ibuprofen
8472	3452971	198	80488	9F5V	Deltasone
9786	8227643	145	67951	P2LM	Acetaminophen
9786	3467125	165	34811	5G34	Amozil (amozicillin)
15 rows returned in 0.00 seconds Download					

Column Name	Data Type	Nullable	Default	Primary Key
TREATMENT_NO	NUMBER	No	-	1
MEDICAL_RECORD_NO	NUMBER	No	-	2
DOCTOR_NO	NUMBER	No	-	3
PATIENT_ID	NUMBER	No	-	4
EXAM_TYPE	VARCHAR2(50)	Yes	-	-
PRESCRIPTION	VARCHAR2(50)	Yes	-	-

1 SELECT * FROM MEDICAL_RECORD			
Results	Explain	Describe	Saved SQL History
MEDICAL_RECORD_NO	PATIENT_NAME	DATE_OF_EXAMINATION	PATIENT_ID
1329865	Mary Frome	05/28/2021	4964
7695145	Frank Vega	05/26/2021	59128
6578392	William Bentley	08/28/2021	84026
1358764	John Elliot	07/21/2021	8781
6513279	Eric Peterson	03/08/2022	21419
5426497	Ashley Stone	05/17/2021	56890
8453674	Stacy Jones	03/10/2022	25502
8497316	Mark Evans	04/05/2022	96028
7933821	Paul Sullivan	12/13/2021	8473
6421897	Brendon Stewart	03/23/2022	88390
7836291	Reagan Kayson	12/22/2021	34632
3452971	Lana Chandler	02/11/2022	80488
8227643	Dina Ivan	05/13/2021	67951
3467125	Calvin Smith	03/06/2022	34811
1462785	Sarah White	10/11/2021	1737
15 rows returned in 0.02 seconds Download			

Column Name	Data Type	Nullable	Default	Primary Key
MEDICAL_RECORD_NO	NUMBER	No	-	1
PATIENT_NAME	VARCHAR2(25)	Yes	-	-
DATE_OF_EXAMINATION	DATE	Yes	SYSDATE	-
PATIENT_ID	NUMBER	Yes	-	-

1 SELECT * FROM REGISTRATION			
Results	Explain	Describe	Saved SQL History
PATIENT_ID	ADMIN_ID	REGISTRATION_DATE	ROOM_NO
84026	233	12/10/2021	2
1737	219	12/23/2021	1
21419	245	12/30/2021	3
56890	233	01/24/2022	1
25502	219	02/03/2022	2
96028	245	02/04/2022	1
8781	233	02/10/2022	3
4964	219	02/22/2022	4
8473	245	02/28/2022	2
88390	233	03/09/2022	3
34632	219	03/17/2022	4
80488	245	03/25/2022	4
67951	233	03/31/2022	2
34811	219	04/04/2022	3
59128	245	05/26/2021	1
15 rows returned in 0.00 seconds Download			

Column Name	Data Type	Nullable	Default	Primary Key
PATIENT_ID	NUMBER	No	-	1
ROOM_NO	NUMBER	No	-	2
ADMIN_ID	NUMBER	Yes	-	-
REGISTRATION_DATE	DATE	Yes	SYSDATE	-

1	SELECT * FROM BILLING
Results	Explain Describe Saved SQL History
BILLING_CODE	ADMIN_ID
9Q39	245
YA89	233
OM9M	219
06L1	245
IA2R	233
XR73	219
PWXA	245
VFAQ	233
6RO8	219
ME0Y	245
AACP	233
80GM	219
IODH	245
FR08	233
FLN8	219

15 rows returned in 0.00 seconds [Download](#)

Column Name	Data Type	Nullable	Default	Primary Key
BILLING_CODE	VARCHAR2(4)	No	-	1
ADMIN_ID	NUMBER	Yes	-	-

1 <code>SELECT * FROM SELF_PAY</code>	
Results	Explain Describe Saved SQL History
SP_BILLING_CODE	VISIT_FEES
9Q39	\$744.11
YA89	\$653.71
OM9M	\$945.79
O6L1	\$631.34
IA2R	\$872.81
XR73	\$1,116.52
PWXA	\$634.58
VFAQ	\$924.44
6RO8	\$637.98
ME0Y	\$831.31
AACP	\$879.98
80GM	\$853.51
IODH	\$666.69
FR08	\$753.59
FLN8	\$670.30
15 rows returned in 0.00 seconds Download	

Column Name	Data Type	Nullable	Default	Primary Key
SP_BILLING_CODE	VARCHAR2(4)	No	-	1
VISIT_FEES	VARCHAR2(10)	Yes	-	-

1 SELECT * FROM INSURANCE	
Results	Explain Describe Saved SQL History
I_BILLING_CODE	INSURANCE_NO
06L1	708706739
6RO8	434285035
80GM	840815878
9Q39	716279247
AACP	43543061
FLN8	501665112
FR08	2450961
IA2R	489986413
IODH	32822899
ME0Y	91650801
OM9M	7283113
PWXA	540860068
VFAQ	728075199
XR73	202635773
YA89	32390356
15 rows returned in 0.02 seconds Download	

Column Name	Data Type	Nullable	Default	Primary Key
I_BILLING_CODE	VARCHAR2(4)	No	-	1
INSURANCE_NO	NUMBER	No	-	2

1 SELECT * FROM ORDER_S			
Results	Explain	Describe	Saved SQL History
ITEM_ID	ITEM_NAME	ADMIN_ID	ITEM_COST
665	Gloves-Large	245	87.9
313	Perineal Cold Pack	233	23.2
528	Elastic Wrap	233	30.25
609	Closure Tray	219	155.49
195	Emesis Bag	219	80.87
909	Mini Scissors	245	25.9
285	Tube Introducer	245	64.56
856	Obstetrical Kit	233	72.4
276	Disposable Penlight	233	81.12
17	Surgical Tape	233	105.21
696	Adhesive Bandages	245	33.38
643	Wound Closures	245	104.15
328	COVID Nasal Rapid TEST KIT	245	239
617	Heart Start SOFT CASE SYSTEM	219	567
567	Mask	245	45.98
15 rows returned in 0.00 seconds Download			

Column Name	Data Type	Nullable	Default	Primary Key
ITEM_ID	NUMBER	No	-	1
ITEM_NAME	VARCHAR2(30)	Yes	-	-
ADMIN_ID	NUMBER	Yes	-	-
ITEM_COST	NUMBER	Yes	-	-

1 SELECT * FROM VENDOR		
Results	Explain	Describe Saved SQL History
VENDOR_ID	ITEM_ID	TRANSACTION_DATE
18	665	03/04/2022
79	313	03/09/2022
65	529	03/09/2022
21	567	04/28/2022
29	609	03/14/2022
8	195	03/14/2022
9	909	03/16/2022
30	285	03/16/2022
86	856	03/29/2022
24	276	03/29/2022
47	17	03/29/2022
37	696	04/12/2022
95	643	04/12/2022
51	328	04/12/2022
25	617	04/28/2022
15 rows returned in 0.00 seconds Download		

Column Name	Data Type	Nullable	Default	Primary Key
VENDOR_ID	NUMBER	No	-	1
ITEM_ID	NUMBER	Yes	-	-
TRANSACTION_DATE	DATE	Yes	SYSDATE	-

Queries

1. Name all patients in HKH urgent care

```
SELECT * FROM patient
```

PATIENT_ID	PATIENT_NAME	PATIENT_ADDRESS	PATIENT_DIAGNOSIS	PATIENT_DOB
84026	William Bentley	131 Willow Clifton, VA, 20124	B98	09/01/1997
1737	Sarah White	131 Major Dr Sperry, VA, 22740	B56	04/12/2002
21419	Eric Peterson	213 St Waynesboro, VA, 22980	B08	06/05/1987
56890	Ashley Stone	254 Brick Richmond, VA, 20152	C88	08/28/1997
25502	Stacy Jones	255 DC Dr Christian, VA, 24073	A78	10/30/1991
96028	Mark Evans	55 Thomas Rd Marion, VA, 24354	D54	09/07/2001
8781	John Elliot	550 Walk Powhatan, VA, 23139	H2	05/07/1984
4964	Mary Frome	255 Duke Rd Lotburg, VA, 22511	H45	10/12/2004
8473	Paul Sullivan	6 Winter Dr Radford, VA, 24341	J99	05/02/1996
88390	Brandon Stewart	18 Rose St Richmond, VA, 23222	Z34	01/06/1999

More than 10 rows available. Increase rows selector to view more rows.

2. Find the date of birth of the patient named 'Mary Frome' using Alias for patient name

```
SELECT patient_name AS NAME, patient_DOB FROM patient WHERE patient_name='Mary Frome'
```

NAME	PATIENT_DOB
Mary Frome	10/12/2004

3. Select patient/s who doesn't have prescriptions

```
SELECT p.patient_name from patient p
inner join treatment t on p.patient_id= t.Patient_id
WHERE prescription IS NULL
```

PATIENT_NAME
Calvin Smith

4. Name all patients who their previous date of examination is May

```
SELECT p.patient_name from patient p
inner join treatment t on p.patient_id= t.Patient_id
INNER JOIN medical_record mr ON t.patient_id= mr.Patient_id
WHERE mr.date_of_examination like '05%'
```

PATIENT_NAME
Ashley Stone
Mary Frome
Frank Vega

5. Select the items that cost more than 120

```
select item_name from order_s os
where item_cost > 120
```

ITEM_NAME
Closure Tray
COVID Nasal Rapid TEST KIT
Heart Start SOFT CASE SYSTEM
3 rows returned in 0.02 seconds Download

6. Find the doctor who treated the patient Sarah White.

```
SELECT staff_name from staff s
inner join doctor d on s.staff_id= d.doctor_no
INNER JOIN treatment t ON d.doctor_no= t.doctor_no
INNER JOIN PATIENT P ON T.PATIENT_ID = P.PATIENT_ID
WHERE P.PATIENT_NAME='Sarah White'
```

STAFF_NAME
Jed Riddle

7. Select all the patients who did blood count test with their physician name

```
SELECT staff_name, patient_name from staff s
inner join doctor d on s.staff_id= d.doctor_no
INNER JOIN treatment t ON d.doctor_no= t.doctor_no
INNER JOIN PATIENT P ON T.PATIENT_ID = P.PATIENT_ID
WHERE t.exam_type= 'BLOOD COUNT'
```

STAFF_NAME	PATIENT_NAME
Amy-Leigh Mccoy	John Elliot
Claudia Harrington	Calvin Smith
Claudia Harrington	Frank Vega

3 rows returned in 0.00 seconds [Download](#)

8. Select patients who were treated by doctor Amy-Leigh Mccoy

```
SELECT patient_name from patient p
INNER JOIN treatment t ON T.PATIENT_ID = P.PATIENT_ID
inner join doctor d on t.doctor_no= d.doctor_no
INNER JOIN staff s ON s.staff_id= d.doctor_no
where s.staff_name = 'Amy-Leigh Mccoy'
```

PATIENT_NAME
William Bentley
Stacy Jones
Mark Evans
John Elliot
Lana Chandler
5 rows returned in 0.02 seconds Download

9. Select items that were ordered by vendor 47

```
select item_name from order_s os
inner join vendor v on os.item_id = v.item_id
where vendor_id = 47
```

ITEM_NAME
Surgical Tape
1 rows returned in 0.00 seconds Download

10. Count how many patients were overseen by nurse Neo Meritt

```
SELECT count(patient_name) from patient p
INNER JOIN record_s r ON r.PATIENT_ID = P.PATIENT_ID
inner join nurse n on n.nurse_no = r.nurse_no
INNER JOIN staff s ON s.staff_id= r.nurse_no
where s.staff_name = 'Neo Merritt'
```

COUNT(PATIENT_NAME)
3
rows returned in 0.02 seconds Download

11. Select admins that registered patients between Mar 1, 2022 and Mar 31, 2022

```
SELECT ADMIN_ID FROM REGISTRATION
WHERE Registration_Date
BETWEEN '03/01/2022' AND '03/31/2022';
```

ADMIN_ID
233
219
245
233
rows returned in 0.00 seconds Download

12. Find how much were the visit fees for Patient = 'Dina Ivan'

```
SELECT visit_fees from self_pay sp
left JOIN billing b ON sp.sp_billing_code = b.billing_code
left join administrative ad on b.admin_id = ad.admin_id
left JOIN registration r on ad.admin_id = r.admin_id
left join patient p on r.patient_id = p.patient_id
where p.patient_name = 'Dina Ivan'
```

VISIT_FEES
\$653.71
\$872.81
\$924.44
\$879.98
\$753.59

13. What is the item cost for 'Mask'

```
select item_cost from order_s
where item_name = 'Mask'
```

ITEM_COST
45

14. What is the vendor ID for the vendor that Closure Tray were ordered from.

```
select vendor_id from vendor v
inner join order_s os on v.item_id = os.item_id
where item_name = 'Closure Tray'
```

VENDOR_ID
29

15. Who is the staff who ordered the closure tray

```
select staff_name from staff s
inner join administrative ad on s.staff_id = ad.admin_id
inner join order_s os on ad.admin_id = os.admin_id
inner join vendor v on os.item_id = v.item_id
where item_name = 'Closure Tray'
```

STAFF_NAME
Ana Nava
1 rows returned in 0.02 seconds Download

16. Select items that were ordered on '3/14/2022'

```
select item_name from order_s os
inner join vendor v on os.item_id = v.item_id
where transaction_date = '3/14/2022'
```

ITEM_NAME
Closure Tray
Emesis Bag
2 rows returned in 0.00 seconds Download

17. List all order vendors with transaction data, item ordered and item name

```
SELECT os.item_id, item_name, item_cost, vendor_id ,transaction_date from
order_s os
inner join vendor v on os.item_id = v.item_id
```

ITEM_ID	ITEM_NAME	ITEM_COST	VENDOR_ID	TRANSACTION_DATE
567	Mask	45	21	04/28/2022
665	Gloves-Large	87.9	18	03/04/2022
313	Perineal Cold Pack	23.2	79	03/09/2022
528	Elastic Wrap	30.25	65	03/09/2022
609	Closure Tray	155.49	29	03/14/2022
195	Emesis Bag	80.87	8	03/14/2022
909	Mini Scissors	25.9	9	03/16/2022
285	Tube Introducer	64.56	30	03/16/2022
856	Obstetrical Kit	72.4	86	03/29/2022
276	Disposable Penlight	81.12	24	03/29/2022
More than 10 rows available. Increase rows selector to view more rows.				

18. List all patients with their nurse names

```
SELECT p.patient_name, staff_name from patient p
INNER JOIN record_s r ON r.PATIENT_ID = P.PATIENT_ID
inner join nurse n on n.nurse_no = r.nurse_no
```

```
INNER JOIN staff s ON
```

PATIENT_NAME	STAFF_NAME
William Bentley	Neo Merritt
Eric Peterson	Nafisa Glass
Ashley Stone	Huda Beltran
Stacy Jones	Neo Merritt
Mark Evans	Nafisa Glass
John Elliot	Huda Beltran
Mary Frome	Neo Merritt
Frank Vega	Huda Beltran

8 rows returned in 0.00 seconds [Download](#)

```
s.staff_id= r.nurse_no
```

19. Select patient name with the visit fees they paid

```
SELECT patient_name, visit_fees from self_pay sp
inner JOIN billing b ON sp.sp_billing_code = b.billing_code
inner join administrative ad on b.admin_id = ad.admin_id
inner JOIN registration r on ad.admin_id = r.admin_id
inner join patient p on r.patient_id = p.patient_id
```

PATIENT_NAME	VISIT_FEES
William Bentley	\$653.71
William Bentley	\$872.81
William Bentley	\$924.44
William Bentley	\$879.98
William Bentley	\$753.59
Sarah White	\$945.79
Sarah White	\$1,116.52
Sarah White	\$637.98
Sarah White	\$853.51
Sarah White	\$670.30

20.

Peer Evaluation Form Info 364: Database Systems

Group Members: Add your names here

Write the name of each of your group members in a separate column. For each person, indicate the extent to which you agree with the statement on the left, using a scale of 1-4 (1=strongly disagree; 2=disagree; 3=agree; 4=strongly agree). Total the numbers in each column.

Evaluation Criteria	Group member: Member 1 Name	Group member: Member 2 Name	Group member: Member 3 Name
Attends group meetings regularly and arrives on time.	4	4	4
Contributes meaningfully to group discussions.	4	4	4

Completes group assignments on time.	4	4	4
Prepares work in a quality manner.	4	3	2
Demonstrates a cooperative and supportive attitude.	4	2	3
Contributes significantly to the success of the project.	4	4	4
TOTALS			

Signed: Add Your Signatures Here