



UNITEDWORLD SCHOOL OF COMPUTATIONAL INTELLIGENCE (USCI)

Summative Assessment (SA)

Submitted BY

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B.Sc. (Hons.) Computer Science / Data Science / AIML

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SUBJECT: DATABASE MANAGEMENT SYSTEM



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GitHub Project Link:

https://github.com/ZalakBPatel/DBMS-Project https://github.com/DHYANAJPATEL/DBMS-PROJECT

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STEP:1

GAME SCENARIO

SQL Hospital Game

Our game is about a boy named Raghav, who with his mother has just moved to the town. Raghav's mother is not well from a few days she is experiencing chest pain and shortness of breath.

Our story revolves around the procedure that will take place in the hospital when Raghav takes his mother there. In this game, we have a database which consist of different tables which will help the player in making decisions to help Raghav's mother get the treatment.

Our database consists of tables like :-

Ø Doctors

Ø Medicines

Ø Patients

Ø Reports

Ø Packages

Ø Illness

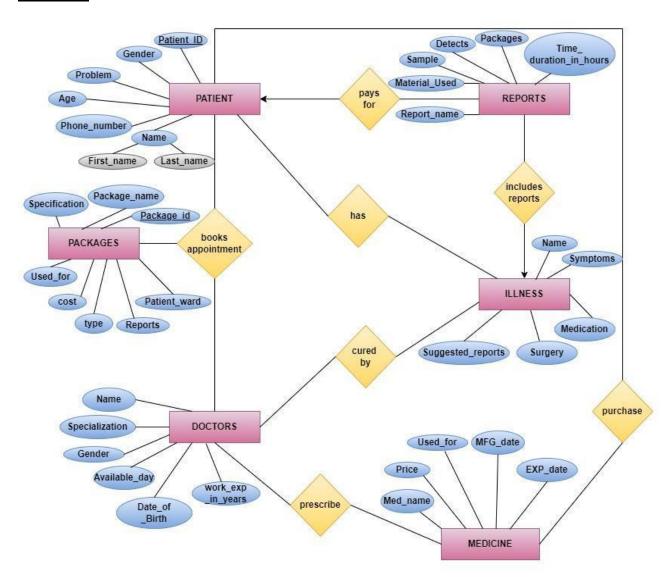
In this game the player will have to make various decisions, for eg: what type of package to choose, on what day to book an appointment etc. TAB

The player will have to use different type of operators to reach the end of the game.



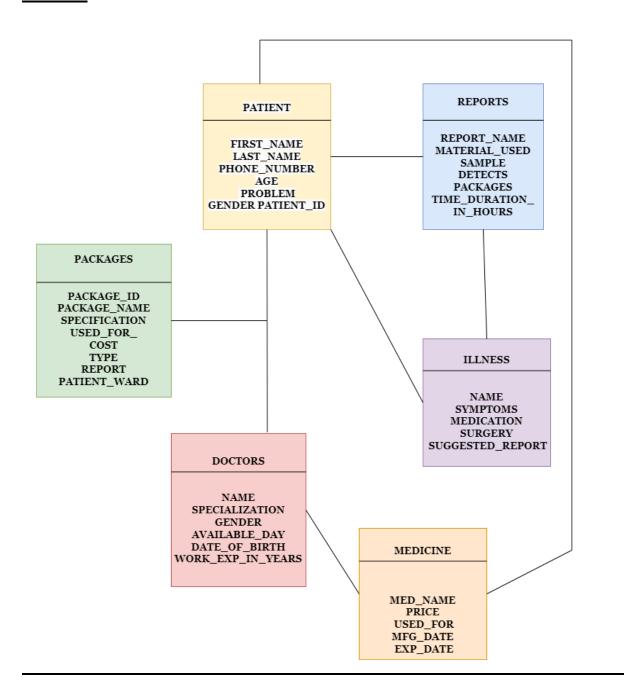
This is a fun game which will help the players to enhance their knowledge in SQL.

STEP:2



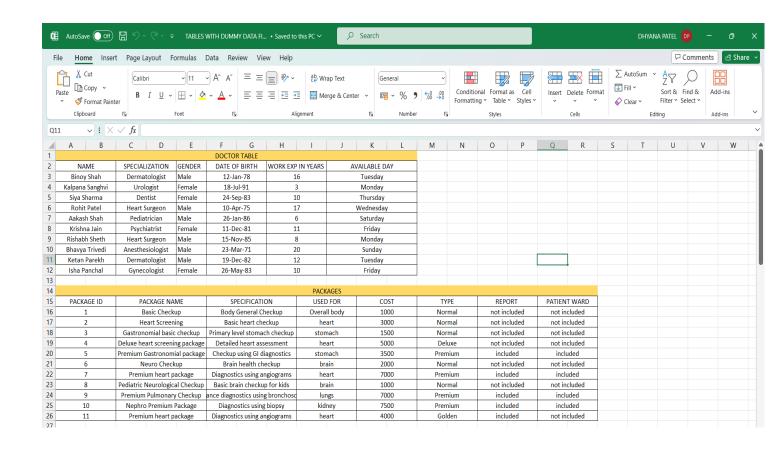


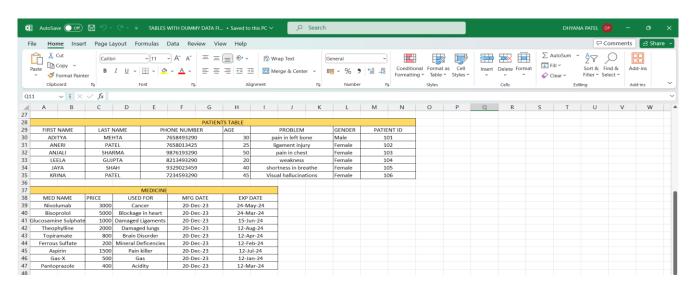
STEP:3





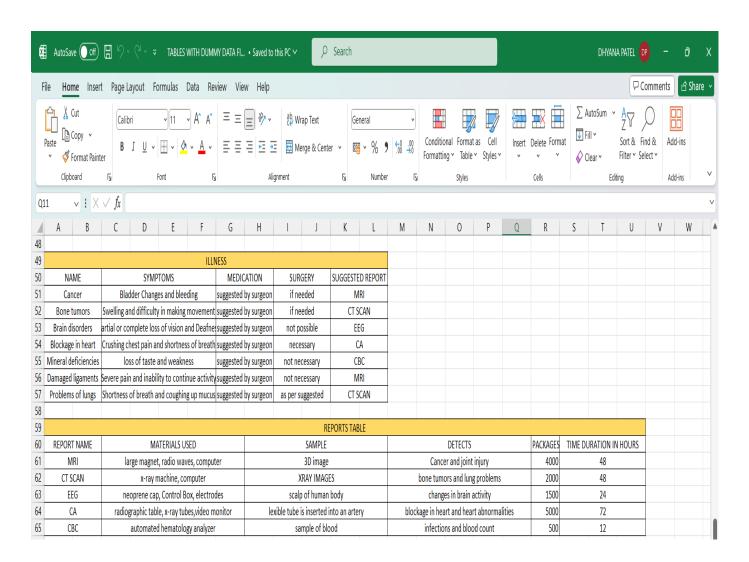
STEP: 4 TABLES WITH DUMMY DATA













STEP 5: CREATE AND INSERT TABLE COMMANDS:

CREATION OF DOCTORS TABLE

```
create table doctors
(
     name varchar(20),
     specialization varchar(30),
     gender varchar(10),
     Available Day varchar(10),
     date_of_birth date,
     work_exp_in_years int not null
);
INSERT INTO
doctors(name,specialization,gender,Available_Day,date_of_birth,work_e
xp_in_years)
VALUES('Binoy Shah', 'Dermatologist', 'Male', 'Tuesday', '12 January
1978','16');
INSERT INTO
doctors(name,specialization,gender,Available_Day,date_of_birth,work_e
xp_in_years)
VALUES('Kalpana Sanghvi', 'Urologist', 'Female', 'Monday', '18 July
1991','3');
INSERT INTO
doctors(name, specialization, gender, Available_Day, date_of_birth, work_e
xp_in_years)
VALUES('Siya Sharma', 'Dentist', 'Female', 'Thursday', '24 September
1983','10');
```



INSERT INTO

doctors(name,specialization,gender,Available_Day,date_of_birth,work_e xp_in_years)

VALUES('Rohit Patel','Heart Surgeon','Male','Wednesday','10 April 1975','17');

INSERT INTO

doctors(name,specialization,gender,Available_Day,date_of_birth,work_e xp_in_years)

VALUES('Aakash Shah', 'Pediatrician', 'Male', 'Saturday', '26 January 1986', '6');

INSERT INTO

doctors(name,specialization,gender,Available_Day,date_of_birth,work_e xp_in_years)

VALUES('Krisha Jain','Psychiatrist','Female','Friday','11 December 1981','11');

INSERT INTO

doctors(name,specialization,gender,Available_Day,date_of_birth,work_e xp_in_years)

VALUES('Rishabh Sheth','Heart Surgeon','Male','Monday',' 15 November 1985','8');

INSERT INTO

doctors(name,specialization,gender,Available_Day,date_of_birth,work_e xp_in_years)

VALUES('Bhavya Trivedi', 'Anesthesiologist', 'Male', 'Sunday', '23 March 1971', '20');

INSERT INTO

doctors(name,specialization,gender,Available_Day,date_of_birth,work_e xp_in_years)

VALUES('Ketan Parekh', 'Dermatologist', 'Male', 'Tuesday', '19 December 1982', '12');



INSERT INTO

doctors(name,specialization,gender,Available_Day,date_of_birth,work_e xp_in_years)

VALUES('Isha Panchal','Gynecologist','Female','Friday','26 May 1983','10');

Select * from DOCTORS;

NAME	SPECIALIZATION	GENDER	AVAILABLE_DAY	DATE_OF_BIRTH	WORK_EXP_IN_YEARS
Binoy Shah	Dermatologist	Male	Tuesday	12-JAN-78	16
Kalpana Sanghvi	Urologist	Female	Monday	18-JUL-91	3
Siya Sharma	Dentist	Female	Thursday	24-SEP-83	10
Rohit Patel	Heart Surgeon	Male	Wednesday	10-APR-75	17
Aakash Shah	Pediatrician	Male	Saturday	26-JAN-86	6
Krisha Jain	Psychiatrist	Female	Friday	11-DEC-81	11
Rishabh Sheth	Heart Surgeon	Male	Monday	15-NOV-85	8
Bhavya Trivedi	Anesthesiologist	Male	Sunday	23-MAR-71	20
Ketan Parekh	Dermatologist	Male	Tuesday	19-DEC-82	12
Isha Panchal	Gynecologist	Female	Friday	26-MAY-83	10

CREATION OF MEDICINE TABLE

CREATE TABLE MEDICINE

(

MED_NAME VARCHAR2(20),

PRICE integer not null,

USED_FOR varchar(70),



```
MFG_DATE DATE,
EXP_DATE DATE
```

);

INSERT INTO MEDICINE (MED_NAME, PRICE, USED_FOR, MFG_DATE, EXP_DATE)

VALUES('Nivolumab', '3000', 'Cancer', '20-December-2023', '24-May-2024');

INSERT INTO MEDICINE (MED_NAME, PRICE, USED_FOR, MFG_DATE, EXP_DATE)

VALUES('Bisoprolol','5000','blockage in heart','20-December-2023','24-March-2024');

INSERT INTO MEDICINE (MED_NAME, PRICE, USED_FOR, MFG_DATE, EXP_DATE)

VALUES('Glucosamine Sulphate','1000','Damaged Ligaments','20-December-2023','15-June-24');

INSERT INTO MEDICINE (MED_NAME, PRICE, USED_FOR, MFG_DATE, EXP_DATE)

VALUES('Theophylline','2000','Damages lungs','20-December-2023','12-August-24');

INSERT INTO MEDICINE (MED_NAME, PRICE, USED_FOR, MFG_DATE, EXP_DATE)

VALUES('topiramate', '800', 'Brain Disorder', '20-December-2023', '12-April-24');

INSERT INTO MEDICINE (MED_NAME, PRICE, USED_FOR, MFG_DATE, EXP_DATE)

VALUES('Ferrous sulfate','200','Mineral Deficencies','20-December-2023','12-February-24');



INSERT INTO MEDICINE (MED_NAME, PRICE, USED_FOR, MFG_DATE, EXP_DATE)

VALUES('Aspirin','1500','pain killer','20-December-2023','12-July-24');

INSERT INTO MEDICINE (MED_NAME, PRICE, USED_FOR, MFG_DATE, EXP_DATE)

VALUES('Gas-X,','500','Gas','20-December-2023','12-January-24');

INSERT INTO MEDICINE (MED_NAME, PRICE, USED_FOR, MFG_DATE, EXP_DATE)

VALUES('pantoprazole,','400','Acidity','20-December-2023','12-March-24');

Select * from MEDICINE;

MED_NAME	PRICE	USED_FOR	MFG_DATE	EXP_DATE
Nivolumab	3000	Cancer	20-DEC-23	24-MAY-24
Bisoprolol	5000	blockage in heart	20-DEC-23	24-MAR-24
Glucosamine Sulphate	1000	Damaged Ligaments	20-DEC-23	15-JUN-24
Theophylline	2000	Damages lungs	20-DEC-23	12-AUG-24
topiramate	800	Brain Disorder	20-DEC-23	12-APR-24
Ferrous sulfate	200	Mineral Deficencies	20-DEC-23	12-FEB-24
Aspirin	1500	pain killer	20-DEC-23	12-JUL-24
Gas-X,	500	Gas	20-DEC-23	12-JAN-24
pantoprazole,	400	Acidity	20-DEC-23	12-MAR-24



CREATION OF PACKAGES TABLE

```
create table PACKAGES (
 Package_ID number,
 Package_Name varchar(30),
 Specification varchar(40),
 Used_for varchar(30),
 Cost int not null,
 Report varchar2(20),
 Patient ward varchar2(20),
 Type varchar(20)
);
INSERT INTO
PACKAGES(Package_ID, Package_Name, Specification, Used_for, Cost, T
ype,Report,Patient_ward)
VALUES('4','Deluxe Heart Screening Package','Detailed heart
assessment', 'heart', '5000', 'Deluxe', 'not included', 'included');
INSERT INTO
PACKAGES(Package_ID, Package_Name, Specification, Used_for, Cost, T
ype,Report,Patient_ward)
VALUES('1',' Basic Checkup','Body General Checkup','Overall
body','1000','Normal','not included','not included');
INSERT INTO
PACKAGES(Package_ID, Package_Name, Specification, Used_for, Cost, T
ype,Report,Patient_ward)
```



VALUES('11','Premium Heart Package','Diagnostics using angiograms','heart','4000','Golden','included','not included');

INSERT INTO

PACKAGES(Package_ID,Package_Name,Specification,Used_for,Cost,T ype,Report,Patient_ward)

VALUES('3','Gastronomial basic checkup','Primary level stomach checkup','stomach','1500','Normal','not included','not included');

INSERT INTO

PACKAGES(Package_ID,Package_Name,Specification,Used_for,Cost,T ype,Report,Patient_ward)

VALUES('7','Premium Heart Package','Diagnostics using angiograms','heart','7000','Premium','included','included')

INSERT INTO

PACKAGES(Package_ID,Package_Name,Specification,Used_for,Cost,T ype,Report,Patient_ward)

VALUES('5','Premium Gastronomial Package','Checkup using GI diagnostics','stomach','3500','Premium','included','included');

INSERT INTO

PACKAGES(Package_ID,Package_Name,Specification,Used_for,Cost,Type,Report,Patient_ward)

VALUES('6','Neuro Checkup',' Brain health checkup','brain','2000','Normal','not included','not included');

INSERT INTO

PACKAGES(Package_ID,Package_Name,Specification,Used_for,Cost,T ype,Report,Patient_ward)

VALUES('8','Pediatric Neurological Checkup','Basic brain checkup for kids','brain','1000','Normal','not included','not included');



INSERT INTO

PACKAGES(Package_ID,Package_Name,Specification,Used_for,Cost,T ype,Report,Patient_ward)

VALUES('9','Premium Pulmonary Checkup','Advance diagnostics using bronchoscopy','lungs','7000','Premium','included','included');

INSERT INTO

PACKAGES(Package_ID,Package_Name,Specification,Used_for,Cost,T ype,Report,Patient_ward)

VALUES('10','Nephro Premium Package','Diagnostics using biopsy','kidney','7500','Premium','included','included');

INSERT INTO

PACKAGES(Package_ID,Package_Name,Specification,Used_for,Cost,T ype,Report,Patient_ward)

VALUES('2',' Heart Screening','Basic heart checkup','heart','3000','Normal','not included','not included');

Select * from PACKAGES;

PACKAGE_ID	PACKAGE_NAME	SPECIFICATION	USED_FOR	COST	REPORT	PATIENT_WARD	TYPE
4	Deluxe Heart Screening Package	Detailed heart assessment	heart	5000	not included	included	De1uxe
1	Basic Checkup	Body General Checkup	Overall body	1000	not included	not included	Normal
11	Premium Heart Package	Diagnostics using angiograms	heart	4000	included	not included	Golden
	Gastronomial basic checkup	Primary level stomach checkup	stomach	1500	not included	not included	Normal
	Premium Heart Package	Diagnostics using angiograms	heart	7000	included	included	Premiu
	Premium Gastronomial Package	Checkup using GI diagnostics	stomach	3500	included	included	Premiu
	Neuro Checkup	Brain health checkup	brain	2000	not included	not included	Normal
8 [Pediatric Neurological Checkup	Basic brain checkup for kids	brain	1000	not included	not included	Normal
	Premium Pulmonary Checkup	Advance diagnostics using bronchoscopy	lungs	7000	included	included	Premiu
10	Mephro Premium Package	Diagnostics using biopsy	klidney	7500	included	included	Premiu
2	Heart Screening	Basic heart checkup	heart	3000	not included	not included	Normal



CREATION OF REPORTS TABLE

```
create table REPORTS
(
     Report_Name varchar(70),
     material_used varchar(70),
     sample varchar(70),
     detects varchar(70),
     packages numeric,
     time duration in hours int not null
);
INSERT INTO REPORTS (Report_Name, material_used, sample,
detects, packages,time_duration_in_hours)
VALUES('MRI', 'large magnet, radio waves, computer', '3D
image', 'Cancer and joint injury.', '4000', '48');
INSERT INTO REPORTS (Report_Name, material_used, sample,
detects, packages,time_duration_in_hours)
VALUES('CT SCAN', 'x-ray machine, computer', 'XRAY IMAGES', 'bone
tumors and lung problems.','2000','48');
INSERT INTO REPORTS(Report_Name, material_used, sample,
detects, packages,time_duration_in_hours)
VALUES('EEG', 'neoprene cap, Control Box, electrodes', 'scalp of human
body', 'changes in brain activity', '1500', '24');
INSERT INTO REPORTS(Report_Name, material_used, sample,
detects, packages, time_duration_in_hours)
```



VALUES('CA','radiographic table, x-ray tubes, video monitor','lexible tube is inserted into an artery','blockage in heart and heart abnormalities','5000','72');

INSERT INTO REPORTS(Report_Name, material_used, sample, detects, packages,time_duration_in_hours)

VALUES('CBC','automated hematology analyzer','sample of blood ','infections and blood count','500','12');

Select * from REPORTS;

REPORT_NAME	MATERIAL_USED	SAMPLE	DETECTS	PACKAGES	TIME_DURATION_IN_HOURS
MRI	large magnet, radio waves, computer	3D image	Cancer and joint injury.	4000	48
CT SCAN	x-ray machine, computer	XRAY IMAGES	bone tumors and lung problems.	2000	48
EEG	neoprene cap, Control Box, electrodes	scalp of human body	changes in brain activity	1500	24
	radiographic table, x-ray tubes, video monitor	lexible tube is inserted into an artery	blockage in heart and heart abnormalities	5000	
СВС	automated hematology analyzer	sample of blood	infections and blood count	500	

CREATION OF ILLNESS TABLE

```
create table illness
(

name varchar(70),

symptoms varchar(200),

medication varchar(70),

surgery varchar(70),

suggested_report varchar(70)
);
INSERT INTO illness(name, symptoms, medication, surgery, suggested_report)
```



VALUES('Cancer','Bladder Changes and bleeding','suggested by surgeon','if needed','MRI');

INSERT INTO illness(name, symptoms, medication, surgery, suggested_report)

VALUES('Bone tumors','swelling and difficulty in making movement','suggested by surgeon','if needed','CT SCAN');

INSERT INTO illness(name, symptoms, medication, surgery, suggested_report)

VALUES('brain disorders','Partial or complete loss of vision and Deafness','suggested by surgeon','not possible','EEG');

INSERT INTO illness(name, symptoms, medication, surgery, suggested_report)

VALUES('blockage in heart', 'crushing chest pain and shortness of breath', 'suggested by surgeon', 'necessary', 'CA');

INSERT INTO illness(name, symptoms, medication, surgery, suggested_report)

VALUES('mineral deficiencies','loss of taste and weakness ','suggested by surgeon','not necessary','CBC');

INSERT INTO illness(name, symptoms, medication, surgery, suggested_report)

VALUES('damaged ligaments','Severe pain and inability to continue activity','suggested by surgeon','not necessary','MRI');

INSERT INTO illness(name, symptoms, medication, surgery, suggested_report)

VALUES('problems of lungs','shortness of breath and coughing up mucus','suggested by surgeon','as per suggested','CT SCAN');



Select * from ILLNESS;

NAME	SYMPTOMS	MEDICATION	SURGERY	SUGGESTED_REPORT
Cancer	Bladder Changes and bleeding	suggested by surgeon	if needed	MRI
Bone tumors	swelling and difficulty in making movement	suggested by surgeon	if needed	CT SCAN
brain disorders	Partial or complete loss of vision and Deafness	suggested by surgeon	not possible	EEG
blockage in heart	crushing chest pain and shortness of breath	suggested by surgeon	necessary	CA
mineral deficiencies	loss of taste and weakness	suggested by surgeon	not necessary	СВС
damaged ligaments	Severe pain and inability to continue activity	suggested by surgeon	not necessary	MRI
problems of lungs	shortness of breath and coughing up mucus	suggested by surgeon	as per suggested	CT SCAN

CREATION OF PATIENT TABLE

```
CREATE TABLE PATIENT
```

```
(
First_NAME VARCHAR2(70),
Last_NAME VARCHAR2(70),
phone_number varchar(70),
AGE INTEGER,
problem varchar(70),
GENDER CHAR(6),
Patient_ID NUMBER(30)
);
```

INSERT INTO PATIENT(First_NAME,Last_NAME,phone_number, AGE, problem,GENDER, Patient_ID)

VALUES('Aditya','Mehta','7658493290','30','pain in left leg bone','Male','101');



INSERT INTO PATIENT(First_NAME,Last_NAME,phone_number, AGE, problem,GENDER, Patient_ID)

VALUES('Aneri', 'Patel', '7658013425', '25', 'ligament injury', 'Female', '102');

INSERT INTO PATIENT(First_NAME,Last_NAME,phone_number, AGE, problem,GENDER, Patient_ID)

VALUES('Anjali','Sharma','9876193290','50','pain in chest','Female','103');

INSERT INTO PATIENT(First_NAME,Last_NAME,phone_number, AGE, problem,GENDER, Patient_ID)

VALUES('Leela', 'Gujpta', '8213493290', '20', 'weakness', 'Female', '104');

INSERT INTO PATIENT(First_NAME,Last_NAME,phone_number, AGE, problem,GENDER, Patient_ID)

VALUES('Jaya','Shah','9329023459','40','shortness in breathe','Female','105');

INSERT INTO PATIENT(First_NAME,Last_NAME,phone_number, AGE, problem,GENDER, Patient_ID)

VALUES('Krina','Patel','7234593290','45','Visual hallucinations','Female','106');

Select * from PATIENT;

FIRST_NAME	LAST_NAME	PHONE_NUMBER	AGE	PROBLEM	GENDER	PATIENT_ID
Aditya	Mehta	7658493290	30	pain in left leg bone	Male	101
Aneri	Patel	7658013425	25	ligament injury	Female	102
Anjali	Sharma	9876193290	50	pain in chest	Female	103
Leela	Gujpta	8213493290	20	weakness	Female	104
Jaya	Shah	9329023459	40	shortness in breathe	Female	105
Krina	Patel	7234593290	45	Visual hallucinations	Female	106



DATABASE MANAGEMENT PROJECT HOSPITAL STORY

Raghav took his mom to the hospital on Monday because she was experiencing chest pains and shortness of breath.

1)Raghav asked for different packages at the reception desk.

SELECT * FROM PACKAGES;

PACKAGE_ID	PACKAGE_NAME	SPECIFICATION	USED_FOR	COST	REPORT	PATIENT_WARD	TYPE
4	Deluxe Heart Screening Package	Detailed heart assessment	heart	5000	not included	included	Deluxe
	Basic Checkup	Body General Checkup	Overall body	1000	not included	not included	Normal
11	Premium Heart Package	Diagnostics using angiograms	heart	4000	included	not included	Golden
	Gastronomial basic checkup	Primary level stomach checkup	stomach	1500	not included	not included	Normal
	Premium Gastronomial Package	Checkup using GI diagnostics	stomach	3500	included	included	Premium
	Neuro Checkup	Brain health checkup	brain	2000	not included	not included	Normal
	Premium Heart Package	Diagnostics using angiograms	heart	7000	included	included	Premium
	Pediatric Neurological Checkup	Basic brain checkup for kids	brain	1000	not included	not included	Normal
	Premium Pulmonary Checkup	Advance diagnostics using bronchoscopy	lungs	7000	included	included	Premium
10	Nephro Premium Package	Diagnostics using biopsy	kidney	7500	included	included	Premium
	Heart Screening	Basic heart checkup	heart	3000	not included	not included	Normal

Out of these packages Raghav only wanted packages which were related to heart problems.

2) Help him short list the packages related to heart problems.

select * from PACKAGES

where USED_FOR='heart';

PACKAGE_ID	PACKAGE_NAME	SPECIFICATION	USED_FOR	COST	REPORT	PATIENT_WARD	TYPE
4	Deluxe Heart Screening Package	Detailed heart assessment	heart	5000	not included	included	Deluxe
11	Premium Heart Package	Diagnostics using angiograms	heart	4000	included	not included	Golden
	Premium Heart Package	Diagnostics using angiograms	heart	7000	included	included	Premium
2	Heart Screening	Basic heart checkup	heart	3000	not included	not included	Normal



3) After getting the list of packages related to heart, make it easy for Raghav to compare the cost of packages.

SELECT * FROM PACKAGES

where USED_FOR='heart'

ORDER BY cost;

PACKAGE_ID	PACKAGE_NAME	SPECIFICATION	USED_FOR	COST	REPORT	PATIENT_WARD	TYPE
2	Heart Screening	Basic heart checkup	heart	3000	not included	not included	Normal
11	Premium Heart Package	Diagnostics using angiograms	heart	4000	included	not included	Golden
4	Deluxe Heart Screening Package	Detailed heart assessment	heart	5000	not included	included	Deluxe
	Premium Heart Package	Diagnostics using angiograms	heart	7000	included	included	Premium

4) After comparing the cost of all packages help Raghav choose the best package. (WHICH INCLUDES REPORT AND PATIENT WARD).

SELECT * FROM PACKAGES

WHERE USED_FOR='heart' AND REPORT='included' AND PATIENT_WARD='included';

200							
PACKAGE_ID	PACKAGE_NAME	SPECIFICATION	USED_FOR	COST	REPORT	PATIENT_WARD	TYPE
7	Premium Heart Package	Diagnostics using angiograms	heart	7000	included	included	Premium



5) After selecting the package Raghav is given a list of doctors.

select * from DOCTORS;

NAME	SPECIALIZATION	GENDER	AVAILABLE_DAY	DATE_OF_BIRTH	WORK_EXP_IN_YEARS
Binoy Shah	Dermatologist	Male	Tuesday	12-JAN-78	16
Kalpana Sanghvi	Urologist	Female	Monday	18-JUL-91	3
Siya Sharma	Dentist	Female	Thursday	24-SEP-83	10
Rohit Patel	Heart Surgeon	Male	Wednesday	10-APR-75	17
Aakash Shah	Pediatrician	Male	Saturday	26-JAN-86	6
Krisha Jain	Psychiatrist	Female	Friday	11-DEC-81	11
Rishabh Sheth	Heart Surgeon	Male	Monday	15-NOV-85	8
Bhavya Trivedi	Anesthesiologist	Male	Sunday	23-MAR-71	20
Ketan Parekh	Dermatologist	Male	Tuesday	19-DEC-82	12
Isha Panchal	Gynecologist	Female	Friday	26-MAY-83	10

6) Shortlist the doctors specialized in heart surgery.

select * from DOCTORS

where SPECIALIZATION='Heart Surgeon';

NAME	SPECIALIZATION	GENDER	AVAILABLE_DAY	DATE_OF_BIRTH	WORK_EXP_IN_YEARS
Rohit Patel	Heart Surgeon	Male	Wednesday	10-APR-75	17
Rishabh Sheth	Heart Surgeon	Male	Monday	15-NOV-85	8

Two specialist are available, one is on Monday and second is on Wednesday.



7) Raghav wants the checkup to be performed as early as possible. Help him book on earliest day possible. (Wednesday).

select * from DOCTORS

where SPECIALIZATION='Heart Surgeon' AND AVAILABLE_DAY='Wednesday';

NAME	SPECIALIZATION	GENDER	AVAILABLE_DAY	DATE_OF_BIRTH	WORK_EXP_IN_YEARS
Rohit Patel	Heart Surgeon	Male	Wednesday	10-APR-75	17

Raghav goes to meet the doctor on Wednesday.

Raghav's mother has symptoms of crushing chest pain and shortness of breath.

8) Help doctor find what illness can it be (were symptoms are crushing chest pain and shortness of breath).

select * from ILLNESS

where SYMPTOMS='crushing chest pain and shortness of breath';

NAME	SYMPTOMS	MEDICATION	SURGERY	SUGGESTED_REPORT
blockage in heart	crushing chest pain and shortness of breath	suggested by surgeon	necessary	CA

As per the symptoms doctor thinks its blockage of heart but to be sure he has suggested reports.

But before reports, Raghav's mothers name has to be inserted into the patients table.



9) Raghav's mother name is Mita Shah, her age is 65 years, her phone number is 9080706050, she is facing problem of shortness of breath, she is given patient no 107.

INSERT INTO

PATIENT(FIRST_NAME,LAST_NAME,PHONE_NUMBER,AGE,PROBLEM,GENDER,PATIENT_ID)

VALUES('Mita','Shah','9080706050','56','shortness of breath','Female','107');

1 row(s) inserted.

FIRST_NAME	LAST_NAME	PHONE_NUMBER	AGE	PROBLEM	GENDER	PATIENT_ID
Aditya	Mehta	7658493290	30	pain in left leg bone	Male	101
Aneri	Patel	7658013425	25	ligament injury	Female	102
Anjali	Sharma	9876193290	50	pain in chest	Female	103
Leela	Gujpta	8213493290	20	weakness	Female	104
Jaya	Shah	9329023459	40	shortness in breathe	Female	105
Krina	Patel	7234593290	45	Visual hallucinations	Female	106
Mita	Shah	9080706050	56	shortness of breath	Female	107

After inserting her name in patients table, Raghav takes her mom for the reports.

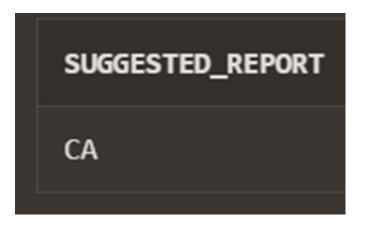
Raghav's mother had symptoms of crushing chest pain and shortness of breath.

10) Help him find the suggested report from the symptoms.

select SUGGESTED_REPORT from ILLNESS

WHERE SYMPTOMS LIKE 'c%';





After finding the suggested report based on the symptoms

11) Help Raghav to find how much time will be needed for the report.

select TIME_DURATION_IN_HOURS from REPORTS

where REPORT_NAME='CA';



After knowing the time, Raghav wants to know what type of samples are taken.

12) Help Raghav to know the type of sample and material used for taking the sample.

SELECT REPORT_NAME,MATERIAL_USED,SAMPLE FROM REPORTS

WHERE TIME_DURATION_IN_HOURS BETWEEN 70 AND 80;

REPORT_NAME	MATERIAL_USED	SAMPLE
CA	radiographic table, x-ray tubes, video monitor	lexible tube is inserted into an artery

26



After the reports were performed, while checking the reports it was found that Raghav's mother's age was inserted wrong in the patients information.

13) Update Raghav's mother's age in the patient table.

UPDATE PATIENT

SET AGE = 65

where PATIENT_ID='107';

1 row(s) updated.

FIRST_NAME	LAST_NAME	PHONE_NUMBER	AGE	PROBLEM	GENDER	PATIENT_ID
Aditya	Mehta	7658493290	30	pain in left leg bone	Male	101
Aneri	Patel	7658013425	25	ligament injury	Female	102
Anjali	Sharma	9876193290	50	pain in chest	Female	103
Leela	Gujpta	8213493290	20	weakness	Female	104
Jaya	Shah	9329023459	40	shortness in breathe	Female	105
Krina	Patel	7234593290	45	Visual hallucinations	Female	106
Mita	Shah	9080706050	65	shortness of breath	Female	107

After looking at the reports, surgery was performed and was successful. Doctor prescribed a medicine for blockage in heart to decrease pain.



14) Help Raghav to know the name, manufacturing date and expiry date of the medicine (medicine used for blockage in heart).

select MED_NAME,MFG_DATE,EXP_DATE from MEDICINE

where USED_FOR='blockage in heart';

,		
MED_NAME	MFG_DATE	EXP_DATE
Bisoprolol	20-DEC-23	24-MAR-24

15) As the dosage of medicine is very high, he recommended to take some medicines for acidity,gas.

select * from MEDICINE

where USED_FOR='Gas' or USED_FOR='Acidity';

MED_NAME	PRICE	USED_FOR	MFG_DATE	EXP_DATE
Gas-X,	500	Gas	20-DEC-23	12-JAN-24
pantoprazole,	400	Acidity	20-DEC-23	12-MAR-24