<u>Data & Information Management</u> 7.2C: Mini-Project Part 2

Task 01

Write SQL statements to create all tables in the final normalized ERD in Task 4.2C.

```
✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0007 seconds.)
CREATE DATABASE MEDICALCLINIC;
[Edit inline] [Edit] [ Create PHP code ]
⚠ Error: #1046 No database selected
```

Nurse Table

```
✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0095 seconds.)

CREATE TABLE NURSE (NURSE_ID INT PRIMARY KEY, F_NAME VARCHAR(50) NOT NULL, L_NAME VARCHAR(50) NOT NULL, PHONE_NUMBER INT(10) NOT NULL, EMAIL VARCHAR(100));

[Edit inline] [Edit] [Create PHP code]
```

CREATE TABLE NURSE (

```
NURSE_ID INT PRIMARY KEY,

F_NAME VARCHAR(50) NOT NULL,

L_NAME VARCHAR(50) NOT NULL,

PHONE_NUMBER INT(10) NOT NULL,

EMAIL VARCHAR(100)

);
```

Doctor Table

);

```
MySQL returned an empty result set (i.e. zero rows). (Query took 0.0086 seconds.)
 CREATE TABLE DOCTOR ( DOCTOR_ID INT PRIMARY KEY, F_NAME VARCHAR(50) NOT NULL, L_NAME VARCHAR(50) NOT NULL, PHONE_NUMBER INT(10) NOT NULL, SPECILIZED_AREA VARCHAR(50) NOT
[ Edit inline ] [ Edit ] [ Create PHP code ]
CREATE TABLE DOCTOR (
   DOCTOR_ID INT PRIMARY KEY,
   F_NAME VARCHAR(50) NOT NULL,
   L_NAME VARCHAR(50) NOT NULL,
   PHONE_NUMBER INT(10) NOT NULL,
   SPECILIZED_AREA VARCHAR(50) NOT NULL,
   EMAIL VARCHAR(100)
);
Patient Table

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0129 seconds.)

 CREATE TABLE PATIENT ( PATIENT_NUM INT PRIMARY KEY, F_NAME VARCHAR(50) NOT NULL, L_NAME VARCHAR(50) NOT NULL, DOB VARCHAR(10) NOT NULL, GENDER VARCHAR(6), PHONE_NUMBER
 {\sf INT(10)}\ {\sf \underline{NOT}}\ {\sf NULL},\ {\sf ADDRESS}\ {\sf VARCHAR(200)} );
[ Edit inline ] [ Edit ] [ Create PHP code ]
CREATE TABLE PATIENT (
   PATIENT_NUM INT PRIMARY KEY,
   F_NAME VARCHAR(50) NOT NULL,
   L_NAME VARCHAR(50) NOT NULL,
   DOB VARCHAR(10) NOT NULL,
   GENDER VARCHAR(6),
   PHONE_NUMBER INT(10) NOT NULL,
  ADDRESS VARCHAR(200)
```

Medical_Record Table

```
MySQL returned an empty result set (i.e. zero rows). (Query took 0.0363 seconds.)
CREATE TABLE MEDICAL_RECORD ( RECORD_ID INT PRIMARY KEY, DATE VARCHAR(10) NOT NULL, TREATEMENT VARCHAR(200), DESCRIPTION VARCHAR(500), PATIENT_NUM INT NOT NULL, DOCTOR_ID INT
NOT NULL, FOREIGN KEY(PATIENT_NUM) REFERENCES PATIENT(PATIENT_NUM), FOREIGN KEY(DOCTOR_ID) REFERENCES DOCTOR(DOCTOR_ID) );
[ Edit inline ] [ Edit ] [ Create PHP code ]
CREATE TABLE MEDICAL_RECORD (
  RECORD_ID INT PRIMARY KEY,
  DATE VARCHAR(10) NOT NULL,
  TREATEMENT VARCHAR(200),
  DESCRIPTION VARCHAR(500),
  PATIENT_NUM INT NOT NULL,
  DOCTOR_ID INT NOT NULL,
  FOREIGN KEY(PATIENT_NUM) REFERENCES PATIENT(PATIENT_NUM),
  FOREIGN KEY(DOCTOR ID) REFERENCES DOCTOR(DOCTOR ID)
);
Appoinment_link Table

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0445 seconds.)

 CREATE TABLE APPOINMENT_LINK ( APPOINMENT_ID INT PRIMARY KEY, PATIENT_NUM INT NOT NULL, DOCTOR_ID INT NOT NULL, NURSE_ID INT NOT NULL, RECORD_ID INT NOT NULL, FOREIGN
 KEY(PATIENT_NUM) REFERENCES patient(PATIENT_NUM), FOREIGN KEY(DOCTOR_ID) REFERENCES doctor(DOCTOR_ID), FOREIGN KEY(NURSE_ID) REFERENCES nurse(NURSE_ID), FOREIGN
 KEY(RECORD_ID) REFERENCES medical_record(RECORD_ID) );
[ Edit inline ] [ Edit ] [ Create PHP code ]
CREATE TABLE APPOINMENT_LINK (
  APPOINMENT_ID INT PRIMARY KEY,
  PATIENT_NUM INT NOT NULL,
  DOCTOR_ID INT NOT NULL,
  NURSE ID INT NOT NULL,
  RECORD_ID INT NOT NULL,
  FOREIGN KEY(PATIENT_NUM) REFERENCES patient(PATIENT_NUM),
  FOREIGN KEY(DOCTOR_ID) REFERENCES doctor(DOCTOR_ID),
  FOREIGN KEY(NURSE_ID) REFERENCES nurse(NURSE_ID),
  FOREIGN KEY(RECORD ID) REFERENCES medical record(RECORD ID)
);
```

Appoinment_Details Table

);

```
✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0106 seconds.)

CREATE TABLE APPOINMENT_DETAILS ( APPOINMENT_ID INT PRIMARY KEY, APPOINMENT_DATE DATE NOT NULL, APPOINMENT_TIME TIME NOT NULL);
Edit inline][Edit][Create PHP code]
CREATE TABLE APPOINMENT_DETAILS (
  APPOINMENT_ID INT PRIMARY KEY,
  APPOINMENT_DATE DATE NOT NULL,
  APPOINMENT_TIME TIME NOT NULL
);
Laboratory_test Table
 CREATE TABLE LABORATORY_TEST ( LAB_NUM INT PRIMARY KEY, TEST_NAME VARCHAR(100), DATE VARCHAR(10), REPORT VARCHAR(1000), RECORD_ID INT NOT NULL, FOREIGN KEY(RECORD_ID)
 REFERENCES medical_record(RECORD_ID) );
[Edit inline][Edit][Create PHP code]
CREATE TABLE LABORATORY_TEST (
  LAB_NUM INT PRIMARY KEY,
  TEST_NAME VARCHAR(100),
  DATE VARCHAR(10),
  REPORT VARCHAR(1000),
  RECORD_ID INT NOT NULL,
  FOREIGN KEY(RECORD_ID) REFERENCES medical_record(RECORD_ID)
```

Medical_company Table

Drugs Table

```
**MysQL returned an empty result set (i.e. zero rows). (Query took 0.0227 seconds.)

**CREATE TABLE DRUGS ( DRUG_ID INT PRIMARY KEY, DRUG_STRENGTH VARCHAR(20), COMPANY_ID INT NOT NULL, FOREIGN KEY(COMPANY_ID) REFERENCES medical_company(COMPANY_ID) );

**Edit inline**J[Edit][Create PHP code]**

**CREATE TABLE DRUGS (

**DRUG_ID INT PRIMARY KEY, |

**DRUG_STRENGTH VARCHAR(20), |

**COMPANY_ID INT NOT NULL, |

**FOREIGN KEY(COMPANY_ID) REFERENCES medical_company(COMPANY_ID) );

**Primary Key (COMPANY_ID) REFERENCES medical_company(COMPANY_ID) );
```

Prescription Table

);

```
MySQL returned an empty result set (i.e. zero rows). (Query took 0.0398 seconds.)
CREATE TABLE PRESCRIPTION ( PRESCRIPTION_NUM INT PRIMARY KEY, NAME VARCHAR (100), DATE VARCHAR (10), RECORD_ID INT NOT NULL, DRUG_ID INT NOT NULL, FOREIGN KEY(RECORD_ID)
REFERENCES medical_record(RECORD_ID), FOREIGN KEY(DRUG_ID) REFERENCES drugs(DRUG_ID) );
Edit inline][Edit][Create PHP code]
CREATE TABLE PRESCRIPTION (
  PRESCRIPTION_NUM INT PRIMARY KEY,
  NAME VARCHAR (100),
  DATE VARCHAR (10),
  RECORD ID INT NOT NULL,
  DRUG_ID INT NOT NULL,
  FOREIGN KEY(RECORD_ID) REFERENCES medical_record(RECORD_ID),
  FOREIGN KEY(DRUG_ID) REFERENCES drugs(DRUG_ID)
);
Equipment Table

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0395 seconds.)

CREATE TABLE EQUIPMENT ( EQUIPMENT_NUM INT PRIMARY KEY, EQUIPMENT_NAME VARCHAR(100), LAB_NUM INT NOT NULL, COMPANY_ID INT NOT NULL, FOREIGN KEY(LAB_NUM) REFERENCES
laboratory\_test(LAB\_NUM), \ FOREIGN \ KEY(COMPANY\_ID) \ REFERENCES \ medical\_company(COMPANY\_ID) \ );
CREATE TABLE EQUIPMENT (
  EQUIPMENT_NUM INT PRIMARY KEY,
  EQUIPMENT_NAME VARCHAR(100),
  LAB_NUM INT NOT NULL,
  COMPANY ID INT NOT NULL,
  FOREIGN KEY(LAB_NUM) REFERENCES laboratory_test(LAB_NUM),
  FOREIGN KEY(COMPANY_ID) REFERENCES medical_company(COMPANY_ID)
```

Insert at least FIVE records in each table using SQL.

Nurse Record

```
INSERT INTO `nurse`(`NURSE_ID`,`F_NAME`,`L_NAME`,`PHONE_NUMBER`,`EMAIL`) VALUES('1','kenisha','corera','47856321956','keni@gmail.com');
INSERT INTO `nurse`(`NURSE_ID`,`F_NAME`,`L_NAME`,`PHONE_NUMBER`,`EMAIL`) VALUES('2','jeno','fernando','5639874263','jeno@gmail.com');
INSERT\ INTO\ `nurse`(`NURSE\_ID`, F\_NAME`, `L\_NAME`, `PHONE\_NUMBER`, `EMAIL`)\ VALUES('3', 'johnson', 'clavine', '69872365492', 'john@gmail.com');
INSERT INTO `nurse`(`NURSE_ID`,`F_NAME`,`L_NAME`,`PHONE_NUMBER`,`EMAIL`) VALUES('4','analiya','romila','2638974136','analiya@gmail.com');
INSERT INTO `nurse`(`NURSE_ID`,`F_NAME`,`L_NAME`,`PHONE_NUMBER`,`EMAIL`) VALUES('5','louds','mary','56397165493','mary@gmail.com');
INSERT INTO `nurse`(`NURSE_ID`,`F_NAME`,`L_NAME`,`PHONE_NUMBER`,`EMAIL`)
VALUES('1', 'kenisha', 'corera', '47856321956', 'keni@gmail.com');
INSERT INTO `nurse`(`NURSE_ID`,`F_NAME`,`L_NAME`,`PHONE_NUMBER`,`EMAIL`)
VALUES('2','jeno','fernando','5639874263','jeno@gmail.com');
INSERT INTO `nurse`(`NURSE_ID`,`F_NAME`,`L_NAME`,`PHONE_NUMBER`,`EMAIL`)
VALUES('3','johnson','clavine','69872365492','john@gmail.com');
INSERT INTO `nurse`(`NURSE_ID`,`F_NAME`,`L_NAME`,`PHONE_NUMBER`,`EMAIL`)
VALUES('4', 'analiya', 'romila', '2638974136', 'analiya@gmail.com');
INSERT INTO `nurse`(`NURSE_ID`,`F_NAME`,`L_NAME`,`PHONE_NUMBER`,`EMAIL`)
VALUES('5','louds','mary','56397165493','mary@gmail.com');
                                      ▼ NURSE_ID F_NAME L_NAME PHONE_NUMBER EMAIL
 1 kenisha
                                                                       corera
                                                                                               2147483647 keni@gmail.com
2 jeno
                                                                        fernando
                                                                                               2147483647 jeno@gmail.com
2147483647 john@gmail.com
                                                       3 johnson
                                                                       clavine

  □  Ø Edit  ♣ Copy  ⊜ Delete

                                                       4 analiya
                                                                                               2147483647 analiya@gmail.com
                                                                       romila
                                                       5 louds
2147483647 mary@gmail.com
                                                                       mary
      Check all

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√ 1 row inserted. (Query took 0.0025 seconds.)
INSERT INTO `nurse`(`NURSE_ID`,`F_NAME`,`L_NAME`,`PHONE_NUMBER`,`EMAIL`) <u>VALUES('1',</u>'kenisha','corera','47856321956','keni@gmail.com');
Edit inline ] [ Edit ] [ Create PHP code ]

√ 1 row inserted. (Query took 0.0025 seconds.)

INSERT INTO `nurse`(`Nurse_ID',`F_NAME`,`L_NAME`,`PHONE_NUMBER`,`EMAIL') VALUES(('2','jeno','fernando','5639874263','jeno@gmail.com');
Edit inline 1 Edit 1 Create PHP code 1
△ Warning: #1264 Out of range value for column 'PHONE_NUMBER' at row 1

√ 1 row inserted. (Query took 0.0023 seconds.)

INSERT INTO `nurse'(`NURSE_ID`,`F_NAME`,`L_NAME`,`PHONE_NUMBER',`EMAIL`) VALUES('3','johnson','clavine','69872365492','john@gmail.com');
Edit inline ] [ Edit ] [ Create PHP code ]
△ Warning: #1264 Out of range value for column 'PHONE_NUMBER' at row 1
INSERT_INTO `nurse'(`NURSE_IO`,`F_NAME`,`L_NAME`,`PHONE_NUMBER`,`EMAIL`) VALUES('4','analiya','romila','2638974136','analiya@gmail.com');
Edit inline ] [ Edit ] [ Create PHP code ]
INSERT INTO `nurse`(`NURSE_ID`,`F_NAME`,`L_NAME`,`PHONE_NUMBER`,`EMAIL`) VALUES('5','louds','mary','56397165493','mary@gmail.com');
Edit inline ] [ Edit ] [ Create PHP code ]
 △ Warning: #1264 Out of range value for column 'PHONE_NUMBER' at row 1
```

Doctor Records

 $INSERT\ INTO`doctor`(`DOCTOR_ID`,`F_NAME`,`L_NAME`,`PHONE_NUMBER`,`SPECILIZED_AREA`,`EMAIL`)$ VALUES ('1','chinthaka','perera','78236594712','Cardiologists','raaid@gmail.com');INSERT INTO 'doctor' ('DOCTOR_ID', 'F_NAME', 'L_NAME', 'PHONE_NUMBER', 'SPECILIZED_AREA', 'EMAIL') VALUES ('2', shekaina', 'mathaiz', '23984561789', 'Physician', 'mathaiz@gmail.com');INSERT INTO 'doctor' ('DOCTOR_ID', 'F_NAME', 'L_NAME', 'PHONE_NUMBER', 'SPECILIZED_AREA', 'EMAIL') VALUES('3', 'riveen', 'haggale', '412975634896', 'Nephrologists', 'riveen@gmail.com'); INSERT INTO 'doctor' ('DOCTOR ID', F NAME', L NAME', PHONE NUMBER', SPECILIZED AREA', EMAIL') VALUES ('4', 'sithum', 'sandheepa', '36597841256', 'Osteopths', 'sithum@gmail.com');INSERT INTO doctor (DOCTOR_ID), F_NAME, LNAME, PHONE_NUMBER, SPECILIZED_AREA, EMAIL) VALUES('5', 'raaid', 'ismile', '14596328745', 'Neurologists', 'raaid@gmail.com'); INSERT INTO doctor (DOCTOR_IO, F_NAME, L_NAME, PHONE_NUMBER, SPECILIZED_AREA, EMAIL) VALUES('1', chinthaka', perera', 78236594712', Cardiologists', reasid@gmail.com'); INSERT INTO doctor ('DOCTOR_ID', F_NAME', 'L_NAME', 'PHONE_NUMBER', 'SPECILIZED_AREA', 'EMAIL') VALUES ('2', 'shekaina', 'mathaiz', '23984561789', 'Physician', 'mathaiz@gmail.com'); INSERT INTO doctor (DOCTOR_IO, F_NAME, L_NAME, PHONE_NUMBER, SPECILIZED_AREA, EMAIL) VALUES(3, riveen, maggale, 412975634896, Mephrologists, riveen@gmail.com); INSERT INTO doctor (DOCTOR_ID', 'F_NAME', 'L_NAME', 'PHONE_NUMBER', 'SPECILIZED_AREA', 'EMAIL') VALUES('4', 'sithum', 'sandheepa', '35597841256', 'Osteopths', 'sithum@gmail.com'); INSERT INTO doctor (DOCTOR_ID, F_NAME, L_NAME, PHONE_NUMBER, SPECILIZED_AREA, EMAIL) VALUES (5, raaid, ismile, 14596328745, Neurologists, raaid@gmail.com); Extra options ▼ DOCTOR_ID F_NAME L_NAME PHONE_NUMBER SPECILIZED_AREA **EMAIL** Ø Edit

Graph Copy

O Delete 1 chinthaka perera 2147483647 Cardiologists raaid@gmail.com Edit 3 Copy Delete 2 shekaina mathaiz 2147483647 Physician mathaiz@gmail.com ☐ Ø Edit ☐ Copy ☐ Delete 2147483647 Nephrologists 3 riveen haggale riveen@gmail.com ☐ Ø Edit ☐ Copy ☐ Delete 4 sithum sandheepa 2147483647 Osteopths sithum@gmail.com 5 raaid ismile 2147483647 Neurologists raaid@gmail.com Check all With selected: Edit 3 € Copy Delete Export ☐ Show all | Number of rows: 25 ➤ Filter rows: Search this table Sort by key: None ~ √ 1 row inserted. (Query took 0.0050 seconds.) INSERT INTO doctor ('DOCTOR_ID', 'F_NAME', 'L_NAME', 'PHONE_NUMBER', 'SPECILIZED_AREA', 'EMAIL') VALUES('1', 'chinthaka', 'perera', '78236594712', 'Cardiologists', 'raaid@gmail.com'); Edit inline] [Edit] [Create PHP code] ▲ Warning: #1264 Out of range value for column 'PHONE_NUMBER' at row 1 √ 1 row inserted. (Query took 0.0029 seconds.) INSERT INTO doctor ('DOCTOR_ID', 'F_NAME', 'LNAME', 'PHONE_NUMBER', 'SPECILIZED_AREA', 'EMAIL') VALUES('2', 'shekaina', 'mathaiz', '23984561789', 'Physician', 'mathaiz@gmail.com'); Edit inline][Edit][Create PHP code] ▲ Warning: #1264 Out of range value for column 'PHONE_NUMBER' at row 1 1 row inserted. (Query took 0.0020 seconds.) INSERT INTO doctor' ('DOCTOR_ID', 'F_NAME', 'L_NAME', 'PHONE_NUMBER', 'SPECILIZED_ARRA', 'EMAIL') VALUES('3', 'riveen', 'haggale', '412975634896', 'Nephrologists', 'riveen@gmail.com'); Edit inline] [Edit] [Create PHP code] ▲ Warning: #1264 Out of range value for column 'PHONE_NUMBER' at row 1 1 row inserted. (Query took 0.0025 seconds.) INSERT INTO doctor ('DOCTOR_ID', 'F_NAME', 'LNAME', 'PHONE_NUMBER', 'SPECILIZED_AREA', 'EMAIL') VALUES('4', 'sithum', 'sandheepa', '36597841256', 'Osteopths', 'sithum@gmail.com'); Edit inline] [Edit] [Create PHP code] ▲ Warning: #1264 Out of range value for column 'PHONE_NUMBER' at row 1 ✓ 1 row inserted. (Query took 0.0025 seconds.) INSERT INTO doctor ('DOCTOR_ID', F_NAME', 'L_NAME', 'PHONE_NUMBER', 'SPECILIZED_AREA', 'EMAIL') VALUES('5', 'raaid', 'ismile', '14596328745', 'Neurologists', 'raaid@gmail.com'); Edit inline] [Edit] [Create PHP code] △ Warning: #1264 Out of range value for column 'PHONE_NUMBER' at row 1

Patient Record

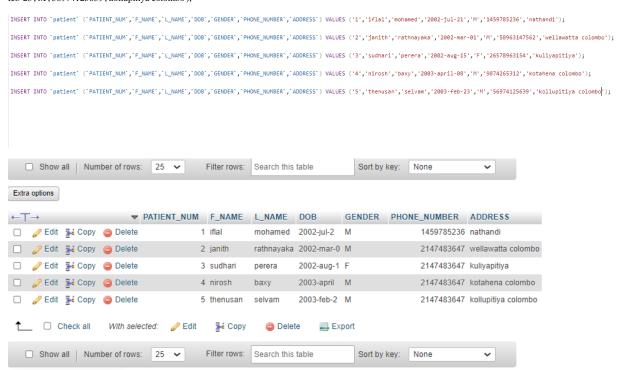
INSERT INTO `patient` (`PATIENT_NUM`,`F_NAME`,`L_NAME`,`DOB`,`GENDER`,`PHONE_NUMBER`,`ADDRESS`) VALUES ('I','iffal','mohamed','2002-jul-21','M','1459785236','nathandi');

INSERT INTO `patient` (`PATIENT_NUM`, `F_NAME`, `L_NAME`, `DOB`, `GENDER`, `PHONE_NUMBER`, `ADDRESS`) VALUES ('2', 'janith', 'rathnayaka', '2002-mar-01', 'M', '58963147562', 'wellawatta colombo');

INSERT INTO `patient` (`PATIENT_NUM`, `F_NAME`, `L_NAME`, `DOB`, `GENDER`, `PHONE_NUMBER`, `ADDRESS`) VALUES ('3', 'sudhari', 'perera', '2002-aug-15', 'F', '26578963154', 'kuliyapitiya');

INSERT INTO 'patient' (PATIENT_NUM', F_NAME', 'L_NAME', 'DOB', 'GENDER', 'PHONE_NUMBER', 'ADDRESS') VALUES ('4', 'nirosh', 'baxy', '2003-april-08', 'M', '9874265312', 'kotahena colombo');

INSERT INTO `patient` (`PATIENT_NUM`, `F_NAME`, `L_NAME`, `DOB`, `GENDER`, `PHONE_NUMBER`, `ADDRESS`) VALUES ('5', 'thenusan', 'selvam', '2003-feb-23', 'M', '56974125639', 'kollupitiya colombo');



Medical Record

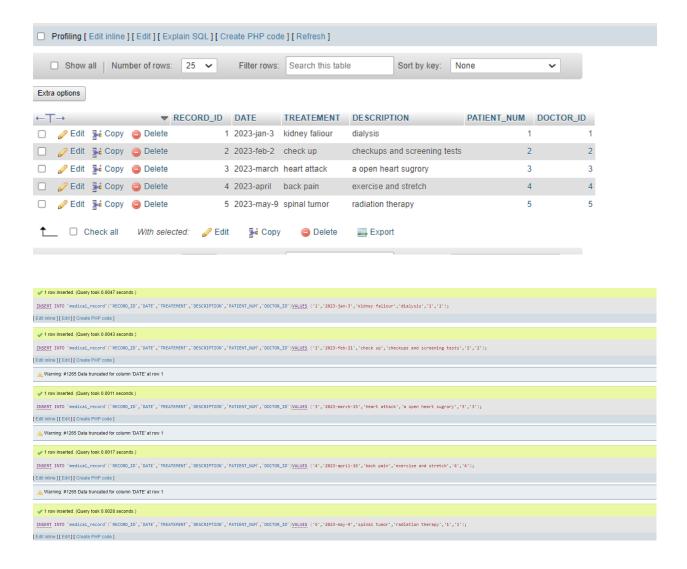
 $INSERT\ INTO\ `medical_record` (`RECORD_ID`, `DATE`, `TREATEMENT`, `DESCRIPTION`, `PATIENT_NUM`, `DOCTOR_ID`) VALUES\ ('1','2023-jan-3','kidney\ faliour','dialysis','1','1');$

INSERT INTO `medical_record`(`RECORD_ID`,`DATE`,`TREATEMENT`,`DESCRIPTION`,`PATIENT_NUM`,`DOCTOR_ID`)VALUES ('2','2023-feb-21','check up','checkups and screening tests','2','2');

INSERT INTO `medical_record`(`RECORD_ID`,`DATE`, TREATEMENT`,`DESCRIPTION`, `PATIENT_NUM`,`DOCTOR_ID`)VALUES ('3','2023-march-15','heart attack','a open heart sugrory','3','3');

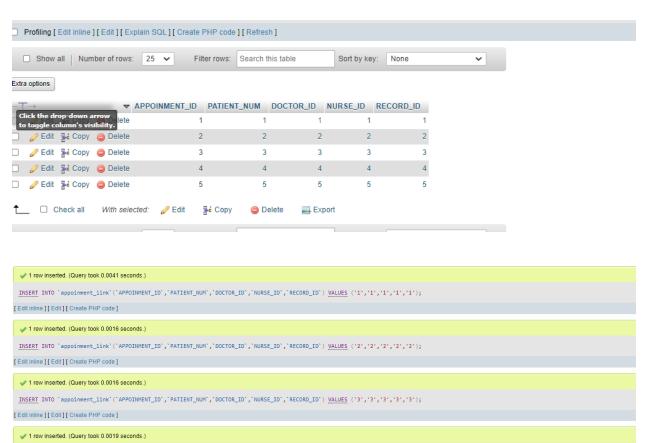
INSERT INTO `medical_record ('RECORD_ID', `DATE`, `TREATEMENT', `DESCRIPTION`, `PATIENT_NUM`, `DOCTOR_ID`) VALUES ('4', '2023-april-16', 'back pain', 'exercise and stretch', '4', '4');

INSERT INTO `medical_record`(`RECORD_ID`,`DATE`,`TREATEMENT`,`DESCRIPTION`,`PATIENT_NUM`,`DOCTOR_ID`)VALUES ('5','2023-may-9','spinal tumor','radiation therapy','5','5');



Appoinment Link Record

INSERT INTO `appoinment_link' (`APPOINMENT_ID`, `PATIENT_NUM`, `DOCTOR_ID`, `NURSE_ID`, `RECORD_ID`) VALUES ('1,'1','1','1','1','1); INSERT INTO `appoinment_link' (`APPOINMENT_ID`, `PATIENT_NUM`, `DOCTOR_ID`, `NURSE_ID`, `RECORD_ID`) VALUES ('2,'2',2',2',2'); INSERT INTO `appoinment_link' (`APPOINMENT_ID`, `PATIENT_NUM`, `DOCTOR_ID`, `NURSE_ID`, `RECORD_ID`) VALUES ('3,'3',3',3',3',3'); INSERT INTO `appoinment_link' (`APPOINMENT_ID`, `PATIENT_NUM`, `DOCTOR_ID`, `NURSE_ID`, `RECORD_ID`) VALUES ('4','4','4','4'); INSERT INTO `appoinment_link' (`APPOINMENT_ID`, `PATIENT_NUM`, `DOCTOR_ID`, `NURSE_ID`, `RECORD_ID`) VALUES ('5','5','5',5');



INSERI INTO 'appoinment_link' ('APPOINMENT_ID', 'PATIENT_NUM', 'DOCTOR_ID', 'NURSE_ID', 'RECORD_ID') VALUES ('4','4','4','4','4');

[Edit inline] [Edit] [Create PHP code]

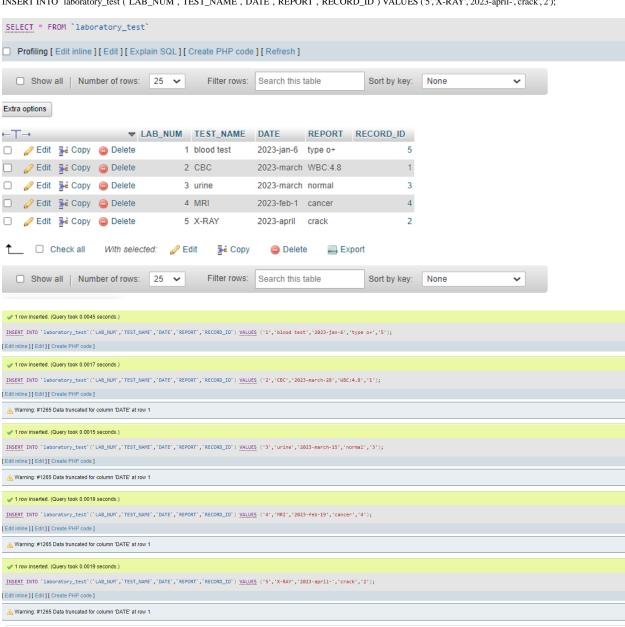
#* 1 row inserted. (Query took 0.0016 seconds.)

INSERI INTO 'appoinment_link' ('APPOINMENT_ID', 'PATIENT_NUM', 'DOCTOR_ID', 'NURSE_ID', 'RECORD_ID') VALUES ('5','5','5','5');

[Edit inline] [Edit] [Create PHP code]

Laboratory Record

INSERT INTO `laboratory_test' (`LAB_NUM', `TEST_NAME', `DATE', `REPORT', `RECORD_ID') VALUES ('1', 'blood test', '2023-jan-6', 'type o+','5'); INSERT INTO `laboratory_test' (`LAB_NUM', `TEST_NAME', `DATE', `REPORT', `RECORD_ID') VALUES ('2', 'CBC', '2023-march-28', 'WBC:4.8', '1'); INSERT INTO `laboratory_test' (`LAB_NUM', `TEST_NAME', `DATE', `REPORT', `RECORD_ID') VALUES ('3', 'urine', '2023-march-15', 'normal', '3'); INSERT INTO `laboratory_test' (`LAB_NUM', `TEST_NAME', `DATE', `REPORT', `RECORD_ID') VALUES ('4', 'MRI', '2023-feb-19', 'cancer', '4'); INSERT INTO `laboratory_test' (`LAB_NUM', `TEST_NAME', `DATE', `REPORT', `RECORD_ID') VALUES ('5', 'X-RAY', '2023-april-', 'crack', '2');



Company Record

 $INSERT\ INTO\ `medical_company` (`COMPANY_ID`, `COMPANY_NAME`)\ VALUES\ ('1', 'primacare');$ INSERT INTO `medical_company` (`COMPANY_ID`, `COMPANY_NAME`) VALUES ('2', 'ezeyecare'); INSERT INTO `medical_company` (`COMPANY_ID`, `COMPANY_NAME`) VALUES ('3', 'pharmasence'); INSERT INTO `medical_company` (`COMPANY_ID`, `COMPANY_NAME`) VALUES ('4', 'barus'); INSERT INTO `medical_company`(`COMPANY_ID`,`COMPANY_NAME`) VALUES ('5','primacare'); SELECT * FROM `medical_company` Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh] ☐ Show all | Number of rows: 25 ✔ Filter rows: Search this table Sort by key: None Extra options ▼ COMPANY_ID COMPANY_NAME 1 primacare Edit Copy Delete 2 ezeyecare 3 pharmasence ☐ Ø Edit ☐ Copy ☐ Delete 4 barus ☐ Ø Edit ☐ Copy ☐ Delete 5 primacare ↑ Check all With selected: Ø Edit **≩** Copy Export Delete ☐ Show all | Number of rows: 25 ✔ Filter rows: Search this table Sort by key: None ~ Query results operations Print Copy to clipboard
 Copy to clipb Export R Create view Display chart √ 1 row inserted. (Query took 0.0045 seconds.) INSERT INTO `medical_company`(`COMPANY_ID`,`COMPANY_NAME`) VALUES ('1','primacare'); [Edit inline] [Edit] [Create PHP code] √ 1 row inserted. (Query took 0.0020 seconds.) INSERT INTO `medical_company`(`COMPANY_ID`,`COMPANY_NAME`) VALUES ('2','ezeyecare'); [Edit inline] [Edit] [Create PHP code] √ 1 row inserted. (Query took 0.0015 seconds.) INSERT INTO `medical_company`(`COMPANY_ID`,`COMPANY_NAME`) VALUES ('3','pharmasence'); [Edit inline] [Edit] [Create PHP code] √ 1 row inserted. (Query took 0.0017 seconds.) INSERT INTO `medical_company`(`COMPANY_ID`,`COMPANY_NAME`) VALUES ('4','barus'); [Edit inline] [Edit] [Create PHP code] √ 1 row inserted. (Query took 0.0015 seconds.) INSERT INTO `medical_company`(`COMPANY_ID`,`COMPANY_NAME`) VALUES ('5','primacare'); [Edit inline] [Edit] [Create PHP code]

Drug Record

[Edit inline] [Edit] [Create PHP code]

```
INSERT INTO `drugs`(`DRUG_ID`, `DRUG_STRENGTH`, `COMPANY_ID`) VALUES ('1', '150mg', '1');
INSERT\ INTO\ `drugs`(`DRUG\_ID`,\ `DRUG\_STRENGTH`,\ `COMPANY\_ID`)\ VALUES\ ('2',\ '150mg',\ '2');
INSERT INTO `drugs`(`DRUG_ID`, `DRUG_STRENGTH`, `COMPANY_ID`) VALUES ('3', '500mg', '3'); INSERT INTO `drugs`(`DRUG_ID`, `DRUG_STRENGTH`, `COMPANY_ID`) VALUES ('4', '15mg', '4');
INSERT\ INTO\ `drugs`(`DRUG\_ID`,\ `DRUG\_STRENGTH`,\ `COMPANY\_ID`)\ VALUES\ ('5',\ '300mg',\ '5');
  ☐ Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]
      ☐ Show all | Number of rows: 25 ✔
                                                         Filter rows: Search this table
                                                                                                     Sort by key: None
  Extra options
\leftarrow T \rightarrow
                                    ▼ DRUG_ID DRUG_STRENGTH COMPANY_ID
  1 150mg

  □  Ø Edit   Copy  □ Delete

                                                  2 150mg
  3
                                                  3 500mg
  4 15mg

  □  Ø Edit  ♣ Copy  ⊜ Delete

                                                  5 300mg
                                                                                            5
                                                           3€ Copy
  Check all
                             With selected:
                                               🥒 Edit
                                                                          Delete
                                                                                          Export

√ 1 row inserted. (Query took 0.0013 seconds.)

 INSERT INTO `drugs`(`DRUG_ID`, `DRUG_STRENGTH`, `COMPANY_ID`) VALUES ('1', '150mg', '1');
[ Edit inline ] [ Edit ] [ Create PHP code ]
  1 row inserted. (Query took 0.0020 seconds.)
 INSERT INTO `drugs`(`DRUG_ID`, `DRUG_STRENGTH`, `COMPANY_ID`) VALUES ('2', '150mg', '2');
[ Edit inline ] [ Edit ] [ Create PHP code ]

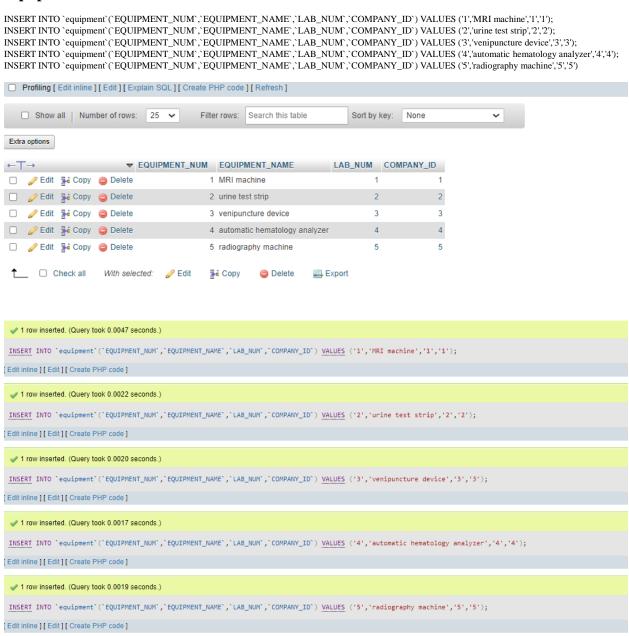
√ 1 row inserted. (Query took 0.0016 seconds.)

 INSERT INTO `drugs`(`DRUG_ID`, `DRUG_STRENGTH`, `COMPANY_ID`) VALUES ('3', '500mg', '3');
[ Edit inline ] [ Edit ] [ Create PHP code ]

√ 1 row inserted. (Query took 0.0012 seconds.)

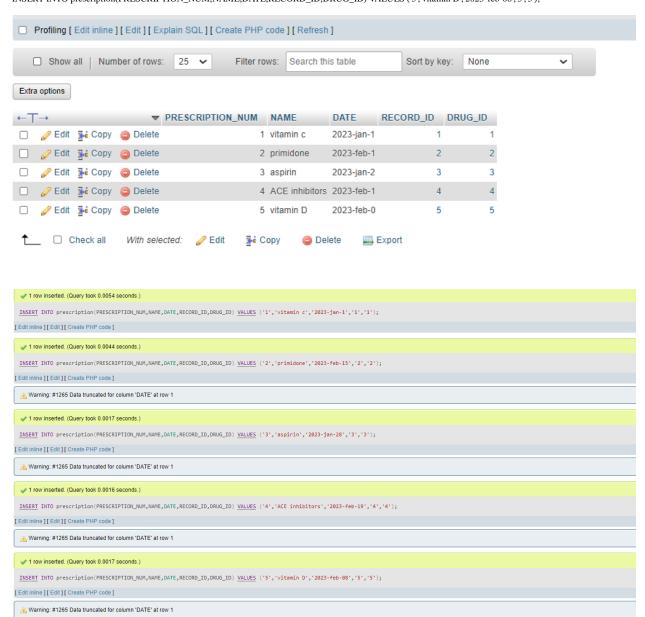
 INSERT INTO `drugs`(`DRUG_ID`, `DRUG_STRENGTH`, `COMPANY_ID`) VALUES ('4', '15mg', '4');
[ Edit inline ] [ Edit ] [ Create PHP code ]
  1 row inserted. (Query took 0.0031 seconds.)
 INSERT INTO `drugs`(`DRUG_ID`, `DRUG_STRENGTH`, `COMPANY_ID`) VALUES ('5', '300mg', '5');
```

Equipment Records



Prescription Records

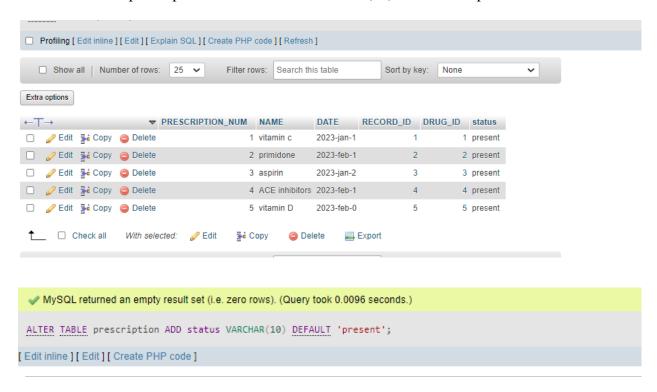
INSERT INTO prescription(PRESCRIPTION_NUM,NAME,DATE,RECORD_ID,DRUG_ID) VALUES ('1',vitamin c','2023-jan-1','1','1'); INSERT INTO prescription(PRESCRIPTION_NUM,NAME,DATE,RECORD_ID,DRUG_ID) VALUES ('2','primidone','2023-feb-15','2','2'); INSERT INTO prescription(PRESCRIPTION_NUM,NAME,DATE,RECORD_ID,DRUG_ID) VALUES ('3','aspirin','2023-jan-28','3','3'); INSERT INTO prescription(PRESCRIPTION_NUM,NAME,DATE,RECORD_ID,DRUG_ID) VALUES ('4','ACE inhibitors','2023-feb-19','4',4'); INSERT INTO prescription(PRESCRIPTION_NUM,NAME,DATE,RECORD_ID,DRUG_ID) VALUES ('5', vitamin D','2023-feb-08','5','5');



Write and run an SQL statement to add one additional column (attribute) in any one of the existing tables with a default value.

• I'll include a new column to the table called PRESCRIPTION. The column name status, varchar data type, and default value are applicable.

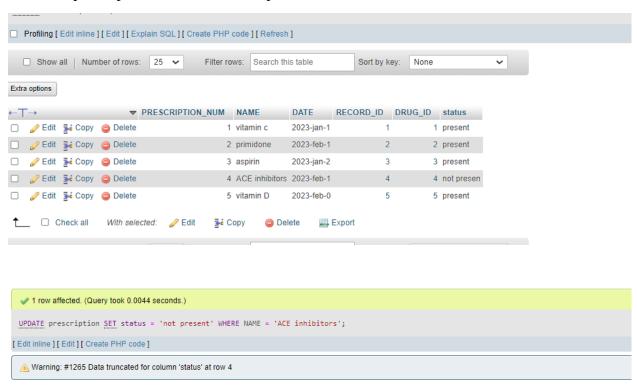
ALTER TABLE prescription ADD status VARCHAR(10) DEFAULT 'present';



Write and run an SQL statement to update the default value of the newly added column to a different value for certain rows based on a condition using any other column.

• In this case, the requirement is WHERE NAME = "ACE inhibitors." The matched row's status column's new value is "not present."

UPDATE prescription SET status = 'not present' WHERE NAME = 'ACE inhibitors';

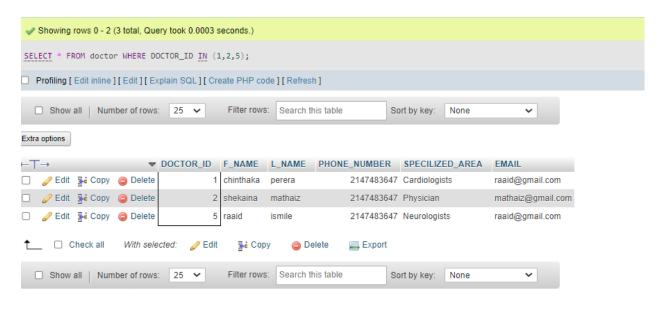


In this section, you are required to write SQL queries to interact with the database you implemented. Answer each SQL question in this section with the following:

- You first specify what you wish to do. Give a SQL statement to accomplish your goals
 and send a screenshot of the finished product once the SQL command has been
 successfully executed.
- a) Write an SQL query to demonstrate the use of SELECT with INNER JOIN and ORDER BY.
 - In order to join the patient table to the appointment link table (which has an alias as AL) on P. PATIENT_NUM = AL. PATIENT_NUM, I first select the F_NAME and L_NAME of the patient and doctor from the patient and doctor table, which is assigned with the alias as P and D. Next, I join the appointment link table on AL.DOCTOR_ID = D.DOCTOR_ID. As a result, this provides the patient's records with the physician's record to whom they have been allocated. Using the patient's F_NAME, it is arranged using order by.



- b. Write an SQL query to demonstrate the use of SELECT with WHERE and IN.
- When the doctor id equals 1, 2, or 5, all the records in the doctor table are selected. SELECT * FROM doctor WHERE DOCTOR_ID IN (1,2,5);



- c. Write an SQL query to demonstrate the use of at least one DATE function.
 - All the entries where the appointment month is January (2) are selected in this way from the appointment details table.
 - SELECT * FROM appoinment_details WHERE MONTH(APPOINMENT_DATE) = 2;



- d. Write an SQL statement to create a VIEW using a SELECT statement with a JOIN. Provide the statement to create the VIEW you want and demonstrate the output of the VIEW using 'SELECT * FROM <viewname>;'.
 - I made a virtual table named patient_doctor in this case, and I have aliases for the column names patient_fname and patient Iname, which are the same for the doctor. Afterwards, becomes a member of the The patient table is joined to the appointment link table on patient_num, while the doctor table is joined to doctor_id. By putting the matching names in the columns patient_fname, patient Iname, doctor_fname, and doctor_Inam, this will generate a virtual table.

CREATE VIEW patient_doctor AS SELECT P.F_NAME AS patient_fname, P.L_NAME AS patient_lname, D.F_NAME AS doctor_fname, D.L_NAME AS doctor_lname FROM patient P JOIN appoinment_link AL ON P.PATIENT_NUM = AL.PATIENT_NUM JOIN doctor D ON AL.DOCTOR ID = D.DOCTOR ID;



SELECT * FROM `patient_doctor` WHERE 1

