

Tables Creation

Patient -Table

```
create table Patient(  
    Patient_ID number(10),  
    First_Name varchar2(20) not null,  
    Last_Name  varchar2(20) not null,  
    Zip_Number number(7) not null,  
    Street   varchar2(20) null,  
    city    varchar2(20) null,  
    Gender  varchar2(6) not null,  
    Birthdate date not null,  
    Disease  varchar2(20) not null,  
    constraint pk_patient primary key(Patient_ID)  
)
```

Employee -Table

```
create table Employee(  
    Employee_ID number(10),  
    First_Name  varchar2(20) not null,  
    Last_Name   varchar2(20) not null,  
    phone      number(20) not null,  
    Zip_Number  number(7) not null,  
    city       varchar2(20),  
    Street     varchar2(20),  
    Gender     varchar2(6) not null,  
    salary     number(5) not null,  
    constraint pk_employee primary key(Employee_ID)  
)
```

Department -Table

```
create table Department(  
  
Department_Name varchar2(15),  
  
constraint pk_Department primary key(Department_Name)  
  
)
```

Room -Table

```
create table Room(  
  
Room_Number number(5),  
  
Room_Type  varchar2(15) not null,  
  
status    varchar2(10) not null,  
  
constraint pk_room primary key(Room_Number)  
  
)
```

Medicine -Table

```
create table Medicine(  
  
Medicine_ID  number(10),  
  
Medicine_Name varchar2(50) not null,  
  
constraint pk_medicine primary key(Medicine_ID)  
  
)
```

Laboratory -Table

```
create table Laboratory(  
  
Lab_Num number(5),  
  
constraint pk_laboratory primary key(Lab_Num)  
  
)
```

Payment -Table

```
create table Payment(  
  
Payment_ID number(10),  
  
status  varchar2(10),  
  
Type    varchar2(10),  
  
constraint pk_payment primary key(Payment_ID)  
  
)
```

Phone Number -Table

```
create table Phone_Number(  
  
Phone_Number number(20),  
  
Patient_ID  number(10),  
  
constraint pk_phone primary key(Phone_Number,Patient_ID),  
  
constraint fk_patient_phone foreign key(Patient_ID) references patient(Patient_ID)  
  
)
```

Equipment -Table

```
create table Equipment(  
  
Equipment_ID  number(10),  
  
Name          varchar2(10) not null,  
  
Pro_Country   varchar2(10) not null,  
  
Pro_Company   varchar2(10) not null,  
  
Equipment_Price number(6) not null,  
  
Lab_Num       number(5) not null,  
  
constraint pk_equipment primary key(Equipment_ID),  
  
constraint fk_laboratory_equipment foreign key(Lab_Num) references Laboratory(Lab_Num)  
  
)
```

Nurse -Table

```
create table Nurse(  
  
Nurse_ID number(10),  
  
constraint pk_nurse primary key(Nurse_ID),  
  
constraint fk_employee_nurse foreign key(Nurse_ID) references Employee(Employee_ID)  
  
)
```

Receptionist -Table

```
create table Receptionist(  
  
Receptionist_ID number(10),  
  
constraint pk_receptionist primary key(Receptionist_ID),  
  
constraint fk_employee_receptionist foreign key(Receptionist_ID) references Employee(Employee_ID)  
  
)
```

Doctor -Table

```
create table Doctor(  
  
Doctor_ID number(10),  
  
Lab_Num  number(5) null,  
  
Department_Name varchar(15) not null,  
  
constraint pk_doctor primary key(Doctor_ID),  
  
constraint fk_Employee_doctor foreign key(Doctor_ID) references Employee(Employee_ID),  
  
constraint fk_laboratory_doctor foreign key(Lab_Num) references Laboratory(Lab_Num),  
  
constraint fk_department_doctor foreign key(Department_Name) references Department(Department_Name)  
  
)
```

Out Patient -Table

```
create table Outpatient(  
  
Outpatient_ID  number(10),  
  
admission_date date not null,  
  
constraint pk_outpatient primary key(Outpatient_ID),  
  
constraint fk_patient_outpatient foreign key(Outpatient_ID) references Patient(Patient_ID)  
  
)
```

In Patient -Table

```
create table Inpatient(  
  
Inpatient_ID number(10),  
  
Room_Number  number(5) not null UNIQUE,  
  
Date_Discharged date not null,  
  
Date_Admitted  date not null,  
  
constraint pk_inpatient primary key(Inpatient_ID),  
  
constraint fk_patient_inpatient foreign key(Inpatient_ID) references Patient(Patient_ID),  
  
constraint fk_room_inpatient foreign key (Room_Number) references Room(Room_Number)  
  
)
```

Bill -Table

```
create table Bill(  
  
    Bill_ID number(10),  
  
    patient_ID number(10) not null UNIQUE,  
  
    payment_ID number(10) not null UNIQUE,  
  
    Receptionist_ID number(10) not null,  
  
    Doc_Charges number(7),  
  
    Room_Charges number(7),  
  
    constraint pk_bill primary key(Bill_ID),  
  
    constraint fk_patient_bill foreign key(patient_ID) references patient(patient_ID),  
  
    constraint fk_payment_bill foreign key(payment_ID) references payment(Payment_ID),  
  
    constraint fk_receptionist_bill foreign key(Receptionist_ID) references Receptionist(Receptionist_ID)  
  
)
```

Analysis -Table

```
create table Analysis(  
  
    analyse_num number(10),  
  
    Lab_Num    number(5) not null,  
  
    patient_ID number(10),  
  
    Analyse_date date    not null,  
  
    constraint pk_analysis primary key(analyse_num),  
  
    constraint fk_laboratory_anaylsis foreign key(Lab_Num) references Laboratory(Lab_Num),  
  
    constraint fk_patient_anaylsis foreign key(patient_ID) references patient(patient_ID)  
  
)
```

Description -Table

```
create table Description(  
  
    prescription_ID number(10),  
  
    Medicine_ID    number(10) not null,  
  
    Doctor_ID     number(10) not null,  
  
    Patient_ID    number(10) not null,  
  
    Quantity     number(10) not null,  
  
    constraint pk_description primary key(prescription_ID),  
  
    constraint fk_medicine_description foreign key(Medicine_ID) references Medicine(Medicine_ID),  
  
    constraint fk_doctor_description foreign key(Doctor_ID) references Doctor(Doctor_ID),  
  
    constraint fk_patient_description foreign key(Patient_ID) references Patient(Patient_ID)  
  
)
```

Examination -Table

```
create table Examination(  
  
Patient_ID number(10),  
  
Doctor_ID  number(10),  
  
Examin_Date date not null,  
  
constraint pk_examination primary key(Patient_ID,Doctor_ID) ,  
  
constraint fk_doctor_examination foreign key(Doctor_ID) references Doctor(Doctor_ID),  
  
constraint fk_patient_examination foreign key(Patient_ID) references Patient(Patient_ID)  
  
)
```

Helping -Table

```
create table Helping(  
  
Doctor_ID number(10),  
  
nurse_ID  number(10),  
  
constraint pk_helper primary key(Doctor_ID,nurse_ID),  
  
constraint fk_doctor_helping foreign key(Doctor_ID) references doctor(Doctor_ID),  
  
constraint fk_nurse_helping foreign key(nurse_ID) references nurse(nurse_ID)  
  
)
```

Governs -Table

```
create table Governs(  
  
Nurse_ID  number(10),  
  
Room_Number number(5),  
  
constraint pk_Governs primary key(Room_Number ,nurse_ID),  
  
constraint fk_nurse_Governs foreign key(nurse_ID) references nurse(nurse_ID),  
  
constraint fk_room_helping foreign key(Room_Number) references room(Room_Number)  
  
)
```

Data Insertion

Patient -Table

```
insert into patient values (111111, 'Ahmed', 'Ibrahim', 21619, '4 Omar lotfy', 'Alexandria', 'Male', to_date('03-12-1997'), 'acne')

insert into patient values (111114, 'Nada', 'Mohamed', 21515, '117 Foad street', 'Alexandria', 'Female', to_date('04-26-2002'), 'Fever')

insert into patient values (111116, 'Ziad', 'Ali', 21648, '22 Mohamed Moaz', 'Alexandria', 'Male', to_date('01-03-2004'), 'Fever')

insert into patient values (111117, 'Esraa', 'Ossama', 21611, '8 Al-Moshir', 'Alexandria', 'Female', to_date('11-27-2001'), 'Psych disorders')

insert into patient values (111118, 'Rahma', 'Ibrahim', 21648, '29 Mahmodya Street', 'Alexandria', 'Female', to_date('11-3-1994'), 'acne')

insert into patient values (111119, 'Ahmed', 'Samy', 21611, '37 Khalil Hamada', 'Alexandria', 'Male', to_date('04-26-2002'), 'Fever')

insert into patient values (111120, 'Tasneem', 'Yousry', 21611, '18 Cairo Street', 'Alexandria', 'Female', to_date('09-13-2002'), 'H-B pressure')

insert into patient values (111121, 'Amr', 'Mahmoud', 21611, '37 Seif Street', 'Alexandria', 'Male', to_date('01-01-2002'), 'Irr-Heartbeat')

insert into patient values (111124, 'Mariam', 'Ahmed', 21611, '19 Ahmed Gamal', 'Alexandria', 'Female', to_date('09-15-2002'), 'Pancreas')

insert into patient values (111125, 'Omar', 'Alaa', 21619, '56 AL-Nasr Street', 'Alexandria', 'Male', to_date('02-02-2013'), 'anemia')

insert into patient values (111122, 'Nour', 'Yasser', 21648, '3 Fawzy Moaz', 'Alexandria', 'Female', to_date('01-15-2003'), 'Stigmatism')

insert into patient values (111123, 'Ahmed', 'Yasser', 21532, '6 Omar Taha', 'Alexandria', 'Male', to_date('06-02-1992'), 'Inflam of cartil')

insert into patient values (111115, 'Salma', 'Mousa', 21532, '36 Ahmed Moheb', 'Alexandria', 'Female', to_date('03-19-1993'), 'Pneumonia')

insert into patient values (111113, 'Karim', 'Hussam Al-Din', 21525, '4 Ismael Al-Fangary', 'Alexandria', 'Male', to_date('09-03-2001'), 'Hemophilia')

insert into patient values (111112, 'Yousef', 'Ahmed', 21928, '9 Al-Hadid w Al-Solb', 'Alexandria', 'Male', to_date('11-7-1973'), 'gallbladder')

insert into patient values (111126, 'Alaa', 'Essam', 21678, '16 Ahmed Al-Sayed', 'Alexandria', 'Female', to_date('02-01-1999'), 'Colon Cancer')

insert into patient values (111127, 'Omar', 'Mohamed', 21648, '2 AL-Mahmoudia Str', 'Alexandria', 'Male', to_date('08-08-1978'), 'Kidney disease')

insert into patient values (111128, 'Sara', 'Ahmed', 21619, '2 AL-Nasr Street', 'Alexandria', 'Female', to_date('02-22-1995'), 'Pregnancy')

insert into patient values (111129, 'Mohmoud', 'Mohamed', 21648, '9 Fawzy Moaz', 'Alexandria', 'Male', to_date('11-05-1992'), 'Hemophilia')

insert into patient values (111130, 'Ahmed', 'Fathy', 21648, '32 Fawzy Moaz', 'Alexandria', 'Male', to_date('3-29-1996'), 'Hemophilia')
```

Employee -Table

insert into Employee values (222221, 'Yasser', 'Foaad', 01296129362, 21743, 'Alexandria', '55 Roshdy Abaza', 'Male', 15000)

insert into Employee values (222222, 'Mohamed', 'Waleed', 01169696969, 21456, 'Alexandria', '7 Eskandar Ibrahim', 'Male', 17000)

insert into Employee values (222223, 'Yousry', 'Shawky', 01286996314, 21223, 'Alexandria', '67 Mohamed Rahim', 'Male', 13000)

insert into Employee values (222224, 'Abd-Al Latif', 'Mohamed', 01009424152, 21525, 'Alexandria', '88 Kaaed Ibrahim', 'Male', 20000)

insert into Employee values (222225, 'Hoda', 'Hassab', 01038211923, 21619, 'Alexandria', '43 Share3 20', 'Female', 10000)

insert into Employee values (222226, 'Amira', 'Fathy', 01564793456, 21648, 'Alexandria', '5 Abo-Quir', 'Female', 16000)

insert into Employee values (222227, 'Ziad', 'Tharwat', 0106969696, 21648, 'Alexandria', '7 Fawzy Moaz', 'Male', 12500)

insert into Employee values (222228, 'Hayam', 'El-Sayed', 012965893248, 21213, 'Alexandria', '55 Roshdy Abaza', 'Male', 13000)

insert into Employee values (222229, 'Tarek', 'Abd-ElRaze2', 010733630962, 21778, 'Alexandria', '55 Roshdy Abaza', 'Male', 11000)

insert into Employee values (222230, 'Ziad', 'Shamandy', 01299192292, 21743, 'Alexandria', '55 Roshdy Abaza', 'Male', 12500)

insert into Employee values (222231, 'Fares', 'Ayman', 01582361232, 21223, 'Alexandria', '2 Hassan Mahmoud', 'Male', 10000)

insert into Employee values (222232, 'Foaad', 'Ahmed', 01221561292, 21341, 'Alexandria', '66 Abo Ryad', 'Male', 15000)

insert into Employee values (222233, 'Omar', 'Atef', 01526262292, 21983, 'Alexandria', '9 Karam Al-Sham', 'Male', 12500)

insert into Employee values (222234, 'Mina', 'Micheal', 01012342292, 21961, 'Alexandria', '18 Metro Pool', 'Male', 13000)

insert into Employee values (222235, 'Yostina', 'Magdy', 01291823612, 21321, 'Alexandria', '24 Mickey-Mouse', 'Female', 8000)

insert into Employee values (333331, 'Soaad', 'Al-Sayed', 01292081932, 21743, 'Alexandria', '2 Fathy Foaad', 'Female', 3000)

insert into Employee values (333332, 'Fawzya', 'Ibrahim', 01089123722, 21233, 'Alexandria', '2 Al-Shahid Younis', 'Female', 3000)

insert into Employee values (333333, 'Hoda', 'Salem', 01081323522, 21268, 'Alexandria', '16 Al-Moshir', 'Female', 3000)

insert into Employee values (333334, 'Hoda', 'Al-Sayed', 01523251932, 21743, 'Alexandria', '18 Fathy Foaad', 'Female', 3000)

insert into Employee values (333335, 'Esraa', 'Shehata', 01527593648, 21523, 'Alexandria', '2 Foaad street', 'Female', 3000)

insert into Employee values (333336, 'Salma', 'Yoursy', 0103256932, 21525, 'Alexandria', '211 Tiba street', 'Female', 3000)

insert into Employee values (333337, 'Hayam', 'Ahmed', 01002552932, 21525, 'Alexandria', '3 Ismael Al-Fangary', 'Female', 3000)

insert into Employee values (333338, 'Somaya', 'Shaaban', 01121132567, 21653, 'Alexandria', '4 Mostafa Kamel', 'Female', 3000)

insert into Employee values (333339, 'Fatima', 'Al-Khashab', 01121132567, 21526, 'Alexandria', '3 Ahmed Shaaban', 'Female', 3000)

insert into Employee values (333340, 'Mahitab', 'Mahmoud', 01223256869, 21223, 'Alexandria', '15 Mohamed Rahim', 'Female', 3000)

insert into Employee values (444441, 'Rahma', 'Fathy', 01012132567, 21652, 'Alexandria', '2 Bor Saaid', 'Female', 5000)

insert into Employee values (444442, 'Fatma', 'Fawzy', 01012132567, 21661, 'Alexandria', '12 Al-Mahmoudia', 'Female', 5000)

insert into Employee values (444443, 'Fares', 'Soliman', 01526758877, 21432, 'Alexandria', '24 Maged Ismael', 'Male', 5000)

Department -Table

insert into Department values ('Gastroenterists')

insert into Department values ('Nephrologists')

insert into Department values ('Dermatologists')

insert into Department values ('Ophthal-gists')

insert into Department values ('Psychiatrists')

insert into Department values ('Otolar-gists')

insert into Department values ('Surgeons')

insert into Department values ('Hematologists')

insert into Department values ('Cardiologists')

insert into Department values ('Endocri-gists')

Room -Table

insert into Room values (101, 'Blood diseases', 'Available')

insert into Room values (102, 'Blood diseases', 'Available')

insert into Room values (103, 'Blood diseases', 'Available')

insert into Room values (104, 'Blood diseases', 'Available')

insert into Room values (201, 'Pectoral', 'Available')

insert into Room values (202, 'Pectoral', 'Available')

insert into Room values (301, 'Internally', 'Available')

insert into Room values (302, 'Internally', 'Available')

insert into Room values (303, 'Internally', 'Available')

insert into Room values (304, 'Internally', 'Available')

insert into Room values (305, 'Internally', 'Available')

insert into Room values (306, 'Internally', 'Available')

Medicine -Table

insert into Medicine values (125101, 'Factor VIII')

insert into Medicine values (125102, 'Factor IX')

insert into Medicine values (125103, 'Ambezim')

insert into Medicine values (125104, 'Paramol')

insert into Medicine values (125105, 'Paracetamol')

insert into Medicine values (125106, 'Aspirin')

insert into Medicine values (125107, 'Doxycin')

insert into Medicine values (125108, 'Regulon')

insert into Medicine values (125109, 'Iragazan')

insert into Medicine values (125110, 'Hypericum')

insert into Medicine values (125111, 'Aplenzin')

insert into Medicine values (125112, 'Lustral')

insert into Medicine values (125113, 'Aventyl capsules')

insert into Medicine values (125114, 'Angilat')

insert into Medicine values (125115, 'Cardiopril')

insert into Medicine values (125116, 'Penicillin-G SOD')

insert into Medicine values (125117, 'ORVEK SYP')

insert into Medicine values (125118, 'Retarpen')

insert into Medicine values (125119, 'Fortepen')

insert into Medicine values (125120, 'Artamin')

insert into Medicine values (125121, 'Resochin')

insert into Medicine values (125122, 'Apicort') anemia

insert into Medicine values (125123, 'Corrective lenses')

insert into Medicine values (125124, 'Maxitrol eye oint')

insert into Medicine values (125125, 'Neomycin nasal spray')

insert into Medicine values (125126, 'Azithromycin')

insert into Medicine values (125127, 'Clarithromycin')

insert into Medicine values (125128, 'Doxycycline')

insert into Medicine values (125129, 'Chemotherapy')

insert into Medicine values (125130, 'Radiotherapy')

insert into Medicine values (125131, 'Surgeotherapy')

insert into Medicine values (125132, 'Tramdol')

insert into Medicine values (125133, 'Gabapentin')

insert into Medicine values (125134, 'Norco')

insert into Medicine values (125135, 'Panadol')

insert into Medicine values (125136, 'Panadol -Extra')

insert into Medicine values (125137, 'Ibuprofen')

Laboratory -Table

insert into Laboratory values (115)

insert into Laboratory values (116)

insert into Laboratory values (117)

insert into Laboratory values (118)

insert into Laboratory values (223)

insert into Laboratory values (224)

insert into Laboratory values (225)

insert into Laboratory values (226)

insert into Laboratory values (227)

insert into Laboratory values (228)

insert into Laboratory values (337)

insert into Laboratory values (338)

Payment -Table

insert into Payment values (90001, 'Paid', 'Cash')

insert into Payment values (90002, 'Paid', 'Cash')

insert into Payment values (90003, 'UNPaid', 'Cash')

insert into Payment values (90004, 'Paid', 'Cash')

insert into Payment values (90005, 'Paid', 'Cash')

insert into Payment values (90006, 'UNPaid', 'Cash')

insert into Payment values (90007, 'Paid', 'Cash')

insert into Payment values (90008, 'Paid', 'Cash')

insert into Payment values (90009, 'UNPaid', 'Cash')

insert into Payment values (90010, 'Paid', 'Cash')

insert into Payment values (80001, 'Paid', 'Visa')

insert into Payment values (80002, 'UNPaid', 'Visa')

insert into Payment values (80003, 'Paid', 'Visa')

insert into Payment values (80004, 'Paid', 'Visa')

insert into Payment values (80005, 'UNPaid', 'Visa')

insert into Payment values (80006, 'Paid', 'Visa')

insert into Payment values (80007, 'Paid', 'Visa')

insert into Payment values (80008, 'UNPaid', 'Visa')

insert into Payment values (80009, 'Paid', 'Visa')

insert into Payment values (80010, 'Paid', 'Visa')

Phone Number -Table

insert into Phone_Number values (01098756472, 111111)

insert into Phone_Number values (01059347595, 111112)

insert into Phone_Number values (01192343748, 111113)

insert into Phone_Number values (01283478342, 111114)

insert into Phone_Number values (01192340823, 111115)

insert into Phone_Number values (01193847234, 111116)

insert into Phone_Number values (01099463834, 111117)

insert into Phone_Number values (01192378244, 111118)

insert into Phone_Number values (01592735261, 111119)

insert into Phone_Number values (01592378231, 111120)

insert into Phone_Number values (01523728401, 111121)

insert into Phone_Number values (01193752823, 111122)

insert into Phone_Number values (01223874733, 111123)

insert into Phone_Number values (01092377236, 111124)

insert into Phone_Number values (01562368123, 111125)

insert into Phone_Number values (01015957945, 111126)

insert into Phone_Number values (01192376374, 111127)

insert into Phone_Number values (01198754472, 111128)

insert into Phone_Number values (01198798236, 111129)

insert into Phone_Number values (01253846593, 111130)

insert into Phone_Number values (01523757233, 111111)

insert into Phone_Number values (01596271272, 111115)

insert into Phone_Number values (01298923723, 111119)

insert into Phone_Number values (01103773811, 111114)

insert into Phone_Number values (01509375838, 111122)

insert into Phone_Number values (01109302372, 111127)

insert into Phone_Number values (01502395710, 111125)

insert into Phone_Number values (01001032742, 111130)

Equipment -Table

insert into Equipment values (42401, 'ASTTR', 'Germany', 'High-Tech', 88000, 115)

insert into Equipment values (42402, 'ASTTR', 'Germany', 'High-Tech', 88000, 116)

insert into Equipment values (42403, 'ASTTR', 'Germany', 'High-Tech', 88000, 117)

insert into Equipment values (42404, 'X-Ray', 'Germany', 'High-Tech', 70000, 115)

insert into Equipment values (42405, 'X-Ray', 'Germany', 'High-Tech', 70000, 118)

insert into Equipment values (42406, 'CT Scan', 'Germany', 'High-Tech', 120000, 337)

insert into Equipment values (42407, 'CT Scan', 'Germany', 'High-Tech', 120000, 338)

insert into Equipment values (42408, 'CT Scan', 'Germany', 'High-Tech', 120000, 228)

insert into Equipment values (42409, 'MSI', 'Korea', 'Tanshimo', 110000, 227)

insert into Equipment values (42410, 'MSI', 'Korea', 'Tanshimo', 110000, 226)

insert into Equipment values (42411, 'MSI', 'Korea', 'Tanshimo', 110000, 225)

insert into Equipment values (42412, 'Infrared', 'Malaysia', 'Raymen', 20000, 223)

insert into Equipment values (42413, 'Infrared', 'Malaysia', 'Raymen', 20000, 223)

insert into Equipment values (42414, 'Infrared', 'Malaysia', 'Raymen', 20000, 223)

insert into Equipment values (42415, 'Infrared', 'Malaysia', 'Raymen', 20000, 223)

insert into Equipment values (42416, 'Infrared', 'Malaysia', 'Raymen', 20000, 223)

insert into Equipment values (42417, 'Ultrasound', 'Thailand', 'Rayzen', 40000, 116)

insert into Equipment values (42418, 'Ultrasound', 'Thailand', 'Rayzen', 40000, 117)

insert into Equipment values (42419, 'Ultrasound', 'Thailand', 'Rayzen', 40000, 116)

insert into Equipment values (42420, 'Ultrasound', 'Thailand', 'Rayzen', 40000, 117)

insert into Equipment values (42421, 'DNA-RNA', 'Germany', 'High-Tech', 35000, 115)

insert into Equipment values (42422, 'DNA-RNA', 'Germany', 'High-Tech', 35000, 116)

insert into Equipment values (42423, 'Urinary', 'Germany', 'High-Tech', 35000, 117)

insert into Equipment values (42424, 'Urinary', 'Germany', 'High-Tech', 35000, 118)

insert into Equipment values (42425, 'Monitor', 'Egypt', 'Samsung', 11000, 115)

insert into Equipment values (42426, 'Monitor', 'Egypt', 'Samsung', 11000, 116)

insert into Equipment values (42427, 'Monitor', 'Egypt', 'Samsung', 11000, 117)

insert into Equipment values (42428, 'Monitor', 'Egypt', 'Samsung', 11000, 118)

insert into Equipment values (42429, 'Monitor', 'Egypt', 'Samsung', 11000, 223)

insert into Equipment values (42430, 'Monitor', 'Egypt', 'Samsung', 11000, 224)

insert into Equipment values (42431, 'Monitor', 'Egypt', 'Samsung', 11000, 225)

insert into Equipment values (42432, 'Monitor', 'Egypt', 'Samsung', 11000, 226)

insert into Equipment values (42433, 'Monitor', 'Egypt', 'Samsung', 11000, 227)

insert into Equipment values (42434, 'Monitor', 'Egypt', 'Samsung', 11000, 228)

insert into Equipment values (42435, 'Monitor', 'Egypt', 'Samsung', 11000, 337)

insert into Equipment values (42436, 'Monitor', 'Egypt', 'Samsung', 11000, 338)

Nurse -Table

insert into Nurse values (333331)

insert into Nurse values (333332)

insert into Nurse values (333333)

insert into Nurse values (333334)

insert into Nurse values (333335)

insert into Nurse values (333336)

insert into Nurse values (333337)

insert into Nurse values (333338)

insert into Nurse values (333339)

insert into Nurse values (333340)

Receptionist -Table

insert into Receptionist values (444441)

insert into Receptionist values (444442)

insert into Receptionist values (444443)

Doctor -Table

insert into Doctor values (222221, 115, 'Gastroenterists')

insert into Doctor values (222222, 116, 'Nephrologists')

insert into Doctor values (222223, 117, 'Dermatologists')

insert into Doctor values (222224, 118, 'Ophthal-gists')

insert into Doctor values (222225, 223, 'Cardiologists')

insert into Doctor values (222226, 224, 'Otolar-gists')

insert into Doctor (Doctor_ID, Department_Name) values (222227, 'Surgeons')

insert into Doctor values (222228, 226, 'Hematologists')

insert into Doctor values (222229, 227, 'Cardiologists')

insert into Doctor values (222230, 228, 'Endocri-gists')

insert into Doctor values (222231, 337, 'Gastroenterists')

insert into Doctor values (222232, 337, 'Nephrologists')

insert into Doctor values (222233, 115, 'Ophthal-gists')

insert into Doctor values (222234, 227, 'Hematologists')

insert into Doctor (Doctor_ID, Department_Name) values (222235, 'Psychiatrists')

Out Patient -Table

```
insert into Outpatient values (111111, to_date('09-02-2021'))

insert into Outpatient values (111114, to_date('03-12-2021'))

insert into Outpatient values (111116, to_date('02-01-2021'))

insert into Outpatient values (111117, to_date('05-11-2021'))

insert into Outpatient values (111118, to_date('04-22-2021'))

insert into Outpatient values (111119, to_date('12-03-2021'))

insert into Outpatient values (111120, to_date('08-17-2021'))

insert into Outpatient values (111121, to_date('11-22-2021'))

insert into Outpatient values (111124, to_date('03-29-2021'))

insert into Outpatient values (111125, to_date('07-30-2021'))
```

In Patient-Table

```
insert into Inpatient values (111122, 301, to_date('03-29-2021'), to_date('04-05-2021'))

insert into Inpatient values (111123, 302, to_date('04-01-2021'), to_date('04-06-2021'))

insert into Inpatient values (111115, 201, to_date('02-04-2021'), to_date('04-08-2021'))

insert into Inpatient values (111113, 101, to_date('07-07-2021'), to_date('07-12-2021'))

insert into Inpatient values (111112, 303, to_date('05-09-2021'), to_date('05-12-2021'))

insert into Inpatient values (111126, 304, to_date('06-13-2021'), to_date('06-15-2021'))

insert into Inpatient values (111127, 305, to_date('07-16-2021'), to_date('07-19-2021'))

insert into Inpatient values (111128, 306, to_date('03-18-2021'), to_date('03-22-2021'))

insert into Inpatient values (111129, 102, to_date('12-18-2021'), to_date('12-25-2021'))

insert into Inpatient values (111130, 103, to_date('11-25-2021'), to_date('11-27-2021'))
```

Bill -Table

```
insert into Bill (Bill_ID, patient_ID, payment_ID, Receptionist_ID, Doc_Charges) values (100101, 111111, 90001, 444441, 100)

insert into Bill (Bill_ID, patient_ID, payment_ID, Receptionist_ID, Doc_Charges) values (100102, 111114, 90002, 444441, 70)

insert into Bill (Bill_ID, patient_ID, payment_ID, Receptionist_ID, Doc_Charges) values (100103, 111116, 90004, 444441, 70)

insert into Bill (Bill_ID, patient_ID, payment_ID, Receptionist_ID, Doc_Charges) values (100104, 111117, 90005, 444441, 50)

insert into Bill (Bill_ID, patient_ID, payment_ID, Receptionist_ID, Doc_Charges) values (100105, 111118, 90007, 444441, 100)

insert into Bill (Bill_ID, patient_ID, payment_ID, Receptionist_ID, Doc_Charges) values (100106, 111119, 90008, 444441, 100)

insert into Bill (Bill_ID, patient_ID, payment_ID, Receptionist_ID, Doc_Charges) values (100107, 111120, 90010, 444442, 50)

insert into Bill (Bill_ID, patient_ID, payment_ID, Receptionist_ID, Doc_Charges) values (100108, 111121, 80001, 444442, 25)

insert into Bill (Bill_ID, patient_ID, payment_ID, Receptionist_ID, Doc_Charges) values (100109, 111124, 80003, 444442, 50)

insert into Bill (Bill_ID, patient_ID, payment_ID, Receptionist_ID, Doc_Charges) values (100110, 111125, 80004, 444442, 100)

insert into Bill values (100111, 111122, 90003, 444442, 100, 600)

insert into Bill values (100112, 111123, 90006, 444442, 100, 800)

insert into Bill values (100113, 111115, 80006, 444441, 100, 1000)

insert into Bill values (100114, 111113, 80005, 444441, 200, 400)

insert into Bill values (100115, 111112, 80007, 444441, 150, 500)

insert into Bill values (100116, 111126, 90009, 444443, 100, 600)

insert into Bill values (100117, 111127, 80002, 444443, 125, 600)

insert into Bill values (100118, 111128, 80008, 444443, 100, 800)

insert into Bill values (100119, 111129, 80009, 444443, 150, 800)

insert into Bill values (100120, 111130, 80010, 444443, 100, 1000)
```

Analysis -Table

```
insert into Analysis values (200201, 115, 111111, to_date('09-02-2021'))

insert into Analysis values (200202, 115, 111122, to_date('03-29-2021'))

insert into Analysis values (200203, 115, 111115, to_date('02-04-2021'))

insert into Analysis values (200204, 115, 111127, to_date('07-16-2021'))

insert into Analysis values (200205, 115, 111130, to_date('11-25-2021'))
```

Description -Table

insert into Description values (100501, 125124, 222221, 111123, 50)

insert into Description values (100502, 125107, 222223, 111111, 1)

insert into Description values (100503, 125105, 222221, 111114, 25)

insert into Description values (100504, 125105, 222231, 111116, 25)

insert into Description values (100505, 125110, 222235, 111117, 50)

insert into Description values (100506, 125107, 222223, 111118, 1)

insert into Description values (100507, 125105, 222221, 111119, 25)

insert into Description values (100508, 125114, 222228, 111120, 60)

insert into Description values (100509, 125134, 222225, 111121, 100)

insert into Description values (100510, 125118, 222222, 111124, 50)

insert into Description values (100511, 125120, 222234, 111125, 35)

insert into Description values (100512, 125123, 222224, 111122, 5.6)

insert into Description values (100513, 125126, 222226, 111115, 50)

insert into Description values (100514, 125101, 222228, 111113, 1500)

insert into Description values (100515, 125125, 222222, 111112, 300)

insert into Description values (100516, 125131, 222232, 111126, 1)

insert into Description values (100517, 125124, 222221, 111127, 100)

insert into Description values (100518, 125133, 222227, 111128, 75)

insert into Description values (100519, 125102, 222228, 111129, 1000)

insert into Description values (100520, 125103, 222228, 111130, 200)

Examination -Table

insert into Examination values (111111, 222223, to_date('09-02-2021'))

insert into Examination values (111114, 222221, to_date('03-12-2021'))

insert into Examination values (111116, 222231, to_date('02-01-2021'))

insert into Examination values (111117, 222235, to_date('05-11-2021'))

insert into Examination values (111118, 222223, to_date('04-22-2021'))

insert into Examination values (111119, 222221, to_date('12-03-2021'))

insert into Examination values (111120, 222228, to_date('08-17-2021'))

insert into Examination values (111121, 222225, to_date('11-22-2021'))

insert into Examination values (111124, 222222, to_date('03-29-2021'))

insert into Examination values (111125, 222234, to_date('07-30-2021'))

insert into Examination values (111122, 222224, to_date('03-29-2021'))

insert into Examination values (111123, 222221, to_date('04-01-2021'))

insert into Examination values (111115, 222226, to_date('02-04-2021'))

insert into Examination values (111113, 222228, to_date('07-07-2021'))

insert into Examination values (111112, 222222, to_date('05-09-2021'))

insert into Examination values (111126, 222232, to_date('06-13-2021'))

insert into Examination values (111127, 222221, to_date('07-16-2021'))

insert into Examination values (111128, 222227, to_date('03-18-2021'))

insert into Examination values (111129, 222228, to_date('12-18-2021'))

insert into Examination values (111130, 222228, to_date('11-25-2021'))

Helping -Table

insert into Helping values (222221, 333331)

insert into Helping values (222221, 333332)

insert into Helping values (222221, 333333)

insert into Helping values (222222, 333334)

insert into Helping values (222222, 333335)

insert into Helping values (222222, 333336)

insert into Helping values (222223, 333337)

insert into Helping values (222223, 333338)

insert into Helping values (222223, 333339)

insert into Helping values (222224, 333340)

insert into Helping values (222224, 333331)

insert into Helping values (222224, 333332)

insert into Helping values (222225, 333333)

insert into Helping values (222225, 333334)

insert into Helping values (222225, 333335)
insert into Helping values (222226, 333336)
insert into Helping values (222226, 333337)
insert into Helping values (222226, 333338)
insert into Helping values (222227, 333339)
insert into Helping values (222227, 333340)
insert into Helping values (222227, 333331)
insert into Helping values (222228, 333332)
insert into Helping values (222228, 333333)
insert into Helping values (222228, 333334)
insert into Helping values (222229, 333335)
insert into Helping values (222229, 333336)
insert into Helping values (222229, 333337)
insert into Helping values (222230, 333338)
insert into Helping values (222230, 333339)
insert into Helping values (222230, 333330)
insert into Helping values (222231, 333331)
insert into Helping values (222231, 333332)
insert into Helping values (222231, 333333)
insert into Helping values (222232, 333334)
insert into Helping values (222232, 333335)
insert into Helping values (222232, 333336)
insert into Helping values (222233, 333337)
insert into Helping values (222233, 333338)
insert into Helping values (222233, 333339)
insert into Helping values (222234, 333340)
insert into Helping values (222234, 333331)
insert into Helping values (222234, 333332)
insert into Helping values (222235, 333333)
insert into Helping values (222235, 333334)
insert into Helping values (222235, 333335)

Governs -Table

insert into Governs values (333331, 101)

insert into Governs values (333332, 101)

insert into Governs values (333333, 102)

insert into Governs values (333334, 102)

insert into Governs values (333335, 103)

insert into Governs values (333336, 103)

insert into Governs values (333337, 104)

insert into Governs values (333338, 104)

insert into Governs values (333339, 201)

insert into Governs values (333340, 201)

insert into Governs values (333331, 202)

insert into Governs values (333332, 202)

insert into Governs values (333333, 301)

insert into Governs values (333334, 301)

insert into Governs values (333335, 302)

insert into Governs values (333336, 302)

insert into Governs values (333337, 303)

insert into Governs values (333338, 303)

insert into Governs values (333339, 304)

insert into Governs values (333340, 304)

insert into Governs values (333331, 305)

insert into Governs values (333332, 305)

insert into Governs values (333333, 306)

insert into Governs values (333334, 306)
