\*This is based on the Health Care Description File\*

create database HCO\_Phase1

go

use HCO\_Phase1

select \* from INFORMATION\_SCHEMA.TABLEs

create table CostReport

(

ReportID int,

isDirect bit,

constraint pk\_CostReport primary key(ReportID)

)

create table Doctors

(

DoctorID int,

FirstName varchar(20),

LastName varchar(20),

Email varchar(40),

PhoneNumber varchar(20),

City varchar(20),

StateABR char(2),

Zipcode varchar(10),

constraint pk\_Doctors primary key(DoctorID)

)

create table Patients

(

PatientID int,

FirstName varchar(20),

LastName varchar(20),

StateABR char(2),

City varchar(20),

Zipcode varchar(10),

constraint pk\_Patients primary key(PatientID)

)

create table Insurance

(

InsuranceID int,

InsuranceName varchar(20),

constraint pk\_Insurance primary key(InsuranceID)

)

create table PaymentType

(

PaymentTypeID int,

PaymentName varchar(20),

constraint pk\_PaymentType primary key(PaymentTypeID)

)

create table EmployeeType

(

EmployeeTypeID int,

isDirect bit,

constraint pk\_EmployeeType primary key(EmployeeTypeID)

)

create table Employee

(

EmployeeID int,

Salary float,

HourlyWage float,

SkillLevel int,

FirstName varchar(20),

LastName varchar(20),

City varchar(20),

StateABR char(2),

Zipcode varchar(10),

EmployeeTypeID int not null, --Foreign Key

constraint pk\_Employee primary key(EmployeeID),

constraint fk\_EmployeeType foreign key(EmployeeTypeID) references EmployeeType(EmployeeTypeID)

)

create table Schedule

(

ScheduleID int,

ScheduleDate date,

StartTime time,

EndTime time,

EmployeeID int not null,

constraint pk\_Schedule primary key(ScheduleID),

constraint fk\_Employee foreign key(EmployeeID) references Employee(EmployeeID)

)

create table Services

(

ServiceID int,

ServiceName varchar(20),

constraint pk\_Services primary key(ServiceID)

)

create table Contracts

(

ContractID int,

StartDate date,

EndDate date,

NoVisits int,

constraint pk\_Contracts primary key(ContractID)

)

create table PTContracts

(

ContractID int,

PaymentTypeID int,

constraint pk\_PTContract primary key(ContractID, PaymentTypeID),

constraint fk\_PTContract\_Contracts foreign key(ContractID) references Contracts(ContractID),

constraint fk\_PTContract\_PaymentType foreign key(PaymentTypeID) references PaymentType(PaymentTypeID)

)

create table Visits

(

VisitID int,

VisitDate date,

StartTime time,

EndTime time,

ContractID int not null, --Foreign Key

EmployeeID int not null, --Foreign Key

constraint pk\_Visits primary key(VisitID),

constraint fk\_Visits\_Contracts foreign key(ContractID) references Contracts(ContractID),

constraint fk\_Visits\_Employee foreign key(EmployeeID) references Employee(EmployeeID)

)

create table ServiceVisits

(

VisitID int,

ServiceID int,

constraint pk\_ServiceVisits primary key(VisitID, ServiceID),

constraint fk\_ServiceVisits\_Visits foreign key(VisitID) references Visits(VisitID),

constraint fk\_ServiceVisits\_Services foreign key(ServiceID) referenc es Services(ServiceID)

)

create table Inventory

(

SerialNumber varchar(20), --Primary Key

Quantity varchar(8), --Primary Key

InvName varchar(20),

isDirect bit,

constraint pk\_Inventory primary key(SerialNumber)

)

create table InventoryServiceVisits

(

Quantity varchar(8),

VisitID int, --Primary Key

SerialNumber varchar(20), --Primary Key

ServiceID int, --Primary Key

constraint pk\_InventoryServiceVisits primary key(VisitID, SerialNumber, ServiceID),

constraint fk\_InventoryServiceVisits\_Visits foreign key(VisitID) references Visits(VisitID),

constraint fk\_InventoryServiceVisits\_Inventory foreign key(SerialNumber) references Inventory(SerialNumber),

constraint fk\_InventoryServiceVisits\_Services foreign key(ServiceID) references Services(ServiceID)

)

create table InsuranceContract

(

StartDate date,

EndDate date,

InsuranceID int, --Primary Key

ContractID int, --Primary Key

constraint pk\_InsuranceContract primary key(InsuranceID, ContractID),

constraint fk\_InsuranceContract\_Insurance foreign key(InsuranceID) references Insurance(InsuranceID),

constraint fk\_InsuranceContract\_Contracts foreign key(ContractID) references Contracts(ContractID)

)

create table Referrals

(

ReferralID int, --Primary Key

PatientID int not null, --Foreign Key

DoctorID int not null, --Foreign Key

constraint pk\_Referrals primary key(ReferralID),

constraint fk\_Referrals\_Patients foreign key(PatientID) references Patients(PatientID),

constraint fk\_Referrals\_Doctors foreign key(DoctorID) references Doctors(DoctorID)

)

create table ReferralServices

(

ReferralID int, --Primary key

ServiceID int, --Primary key

constraint pk\_ReferralServices primary key(ReferralID, ServiceID),

constraint fk\_ReferralServices\_Referrals foreign key(ReferralID) references Referrals(ReferralID),

constraint fk\_ReferralServices\_Services foreign key(ServiceID) references Services(ServiceID)

)

create table InventoryReferralServices

(

SerialNumber varchar(20), --PrimaryKey

ServiceID int, --Primary Key

ReferralID int, --Primary Key

constraint pk\_InventoryReferralService primary key(SerialNumber, ServiceID, ReferralID),

constraint fk\_InventoryReferralService\_Inventory foreign key(SerialNumber) references Inventory(SerialNumber),

constraint fk\_InventoryReferralService\_ReferralServices foreign key(ReferralID, ServiceID) references ReferralServices(ReferralID, ServiceID)

)