

Report for Assignment 4

CS-548

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Generated script:

```
CREATE TABLE TREATMENT (ID BIGINT NOT NULL, TTYPE VARCHAR(31), DIAGNOSIS
VARCHAR(255), patient_fk BIGINT, provider_fk BIGINT, PRIMARY KEY (ID))
CREATE TABLE DRUGTREATMENT (ID BIGINT NOT NULL, DOSAGE FLOAT, DRUG
VARCHAR(255), PRIMARY KEY (ID))
CREATE TABLE PATIENT (ID BIGINT NOT NULL, BIRTHDATE DATE, NAME VARCHAR(255),
PATIENTID BIGINT, PRIMARY KEY (ID))
CREATE TABLE PROVIDER (ID BIGINT NOT NULL, NPI BIGINT, SPECIALIZATION
VARCHAR(255), PRIMARY KEY (ID))
CREATE TABLE RADIOLOGY (ID BIGINT NOT NULL, PRIMARY KEY (ID))
CREATE TABLE RADIOLOGYDATE (ID BIGINT NOT NULL, DATE DATE, radiology_fk
VARCHAR(255), PRIMARY KEY (ID))
CREATE TABLE SURGERY (ID BIGINT NOT NULL, DATE DATE, PRIMARY KEY (ID))
ALTER TABLE TREATMENT ADD CONSTRAINT FK_TREATMENT_provider_fk FOREIGN KEY
(provider_fk) REFERENCES PROVIDER (NPI)
ALTER TABLE TREATMENT ADD CONSTRAINT FK_TREATMENT_patient_fk FOREIGN KEY
(patient_fk) REFERENCES PATIENT (ID)
ALTER TABLE DRUGTREATMENT ADD CONSTRAINT FK_DRUGTREATMENT_ID FOREIGN KEY (ID)
REFERENCES TREATMENT (ID)
ALTER TABLE RADIOLOGY ADD CONSTRAINT FK_RADIOLOGY_ID FOREIGN KEY (ID)
REFERENCES TREATMENT (ID)
ALTER TABLE RADIOLOGYDATE ADD CONSTRAINT FK_RADIOLOGYDATE_radiology_fk FOREIGN
KEY (radiology_fk) REFERENCES TREATMENT (dates)
ALTER TABLE SURGERY ADD CONSTRAINT FK_SURGERY_ID FOREIGN KEY (ID) REFERENCES
TREATMENT (ID)
CREATE TABLE SEQUENCE (SEQ_NAME VARCHAR(50) NOT NULL, SEQ_COUNT DECIMAL(38),
PRIMARY KEY (SEQ_NAME))
INSERT INTO SEQUENCE(SEQ_NAME, SEQ_COUNT) values ('SEQ_GEN', 0)
```

The whole Eclipse project along with the demo video are in the folder.

Below is the ER diagram for the data model

