Junhao Du

**Query Location: /Queries/\***

**Record Location:/Assignment12.mp4**

Clinc.cql:

CREATE TYPE IF NOT EXISTS **cs548**.**drugtreatment**(**drug** varchar,**dosage** float);

CREATE TYPE IF NOT EXISTS **cs548**.**surgery**(**form** varchar);

CREATE TYPE IF NOT EXISTS **cs548**.**radiology**(**dates** List<date>);

create table IF NOT EXISTS **patient** (**record\_id** uuid , **patientid** int primary key,**patient\_name** varchar, **dateofbirth** date);

create table IF NOT EXISTS **provider**(**record\_id** uuid , **npi** int primary key,**provider\_name** varchar,**specialization** varchar);

create table IF NOT EXISTS **patient\_treatment**(**record\_id** uuid ,**startedtime** date, **startedyear** int,**diagonsis** varchar,**patientid** int, primary key(**patientid**,**startedyear**),

**drugtreatmenttype** FROZEN<**drugtreatment**>,**surgerytype** FROZEN<**surgery**>,**radiologytype** List<FROZEN<**radiology**>>)

WITH CLUSTERING ORDER BY (**startedyear** DESC);

create table IF NOT EXISTS **provider\_treatment**(**record\_id** uuid ,**startedtime** date, **startedyear** int,**diagonsis** varchar,**npi** int,primary key(**npi**,**startedyear**),

**drugtreatmenttype** FROZEN<**drugtreatment**>,**surgerytype** FROZEN<**surgery**>,**radiologytype** List<FROZEN<**radiology**>>)

WITH CLUSTERING ORDER BY (**startedyear** DESC);

INSERT INTO **patient** (**patientid**, **patient\_name**, **dateofbirth**)

VALUES (12345678, 'John Smith', '1995-06-06');

INSERT INTO **patient** (**patientid**, **patient\_name**, **dateofbirth**)

VALUES (23456781, 'Alice Bomb', '1996-07-07');

INSERT INTO **provider** (**npi**, **provider\_name**, **specialization**)

VALUES (87654321, 'Bob Fuck', 'radiology');

INSERT INTO **patient\_treatment** (**startedtime**, **startedyear**, **diagonsis**,**patientid**,**drugtreatmenttype**)

VALUES ('2017-06-06', 2017, 'varicella',12345678,{**drug**:'panacea',**dosage**:14.0});

INSERT INTO **provider\_treatment** (**startedtime**, **startedyear**, **diagonsis**,**npi**,**drugtreatmenttype**)

VALUES ('2017-06-06', 2017, 'varicella',87654321,{**drug**:'panacea',**dosage**:14.0});