LAB 4

/\* Candidate table

Numeric fields like candidateID and phone are saved in varchar because there are no numeric operations being performed on them. The “not null” phrase ensures that there are no NULL entries being entered in the database

\*/

CREATE TABLE Candidate(

CandidateID varchar(30) PRIMARY KEY,

CFName VARCHAR(30) not null,

CLName Varchar(30) not null,

CPhone Varchar(30) not null,

CEmail Varchar(30) not null,

CStreetNo char(30) not null,

CStreetName Varchar(30) not null,

CCity Varchar(30) not null,

CState Varchar(30) not null,

CZip Varchar(30) not null,

CExperience Varchar(100) not null,

CRelevantExp Varchar(30) not null,

)

/\* Interviewer table\*/

create table Interviewer(

InterviewerID varchar(30) primary key not null,

IFname varchar(30) not null,

ILname varchar(30) not null,

IPhone varchar(30) not null,

IEmail varchar(30) not null,

IStreetNo varchar(30) not null,

IStreetame varchar(30) not null,

ICity varchar(30) not null,

IState varchar(30) not null,

IZip varchar(30) not null,

Ischedule varchar(30) not null,

)

drop table Interviewer

/\* Company Table\*/

create table Company(

CompanyID varchar(30) primary key not null,

CompanyName varchar(30) not null,

CompanyPhone varchar(30) not null,

CompanyWebsite varchar(30) not null,

CoStreetNo varchar(30) not null,

CoStreetName varchar(30) not null,

CoCity varchar(30) not null,

CoState varchar(30) not null,

CoZip varchar(30) not null,

)

/\* Position table

The check constraint ensures that only one of the 5 values below can be entered in the database

companyID is a foreign key that references the company table \*/

create table Position(

PositionID varchar(30) primary key not null,

PositionName varchar(30) not null,

PositionLevel varchar(30) not null check (PositionLevel in ('Internship','Entry','Executive','Managerial','Staff')),

PositionAvailable varchar(30) not null check (PositionAvailable in ('yes','no')) ,

CompanyID varchar(30) not null

constraint position\_FK foreign key(CompanyID) references Company(CompanyID)

)

/\* Table Interview\*/

create table Interview(

InterviewID varchar(30) primary key not null,

RoundNumber varchar(30) not null,

InterviewDate DATETIME DEFAULT GETDATE(),

CandidateID varchar(30) not null,

InterviewerID varchar(30) not null,

PositionID varchar(30) not null,

/\* Foreign keys CandidateID, InterviewID, PositionID are used to link the tables \*/

constraint interview\_FK1 foreign key(CandidateID) references Candidate(CandidateID),

constraint interview\_FK2 foreign key(InterviewerID) references Interviewer(InterviewerID),

constraint interview\_FK3 foreign key(PositionID) references Position(PositionID)

)

/\* The Values for Candidate, Interviewer, Position, Interview, Company table are inserted \*/

insert into Candidate values ('1','Nathan','Kerr','315-555-5555','nathan.kerr@gmail.com','112','Lafayette Rd','Syracuse','New York','13205','Database, Business Analysis','Database')

insert into Candidate values ('2','Sebastian','Chapman','315-555-6666','seb.chapman@gmail.com','17','James St','Syracuse','New York','13210','Consultant, Business Analysis','Consultant')

insert into Candidate values ('3','Heather','Cameron','315-555-7777','h.cameron@gmail.com','410','Comstock Ave','Syracuse','New York','13210','Developer, Business Analysis','Developer')

insert into Candidate values ('4','Olivia','Wallace','315-555-8888','o.wallace@gmail.com','4248','Nottingham Rd','Syracuse','New York','13210','Database, Business Analysis','Database')

insert into Candidate values ('5','Lily','Turner','315-555-9999','lily.turner@gmail.com','3','Ostrom Ave','Syracuse','New York','13210','Database, Business Analysis, Developer, Analyst','Database')

insert into Interviewer values ('1','Dorothy','Paige','315-555-0126','dorothy.paige@syr.edu','137','Sumner Ave','Syracuse','New York','13210','9am-5pm Monday-Friday')

insert into Interviewer values ('2','Amy','May','315-555-5566','amy.may@syr.edu','777','Ackerman Ave','Syracuse','New York','13210','NULL')

insert into Interviewer values ('3','Charles','Duncan','315-444-5555','charles.duncan@syr.edu','345','Lancaster Ave','Syracuse','New York','13210','8am-6pm Monday-Saturday')

insert into Interviewer values ('4','Victor','Miller','315-333-5565','victor.miller@syr.edu','7116','Lafayette Ave','Syracuse','New York','13210','NULL')

insert into Interviewer values ('5','Ray','Mysterio','315-555-0126','raymysterio@syr.edu','234','Lafayette Ave','Syracuse','New York','13210','9.30am-5.30pm Monday-Friday')

insert into Company values ('1','Ernst&Young','315-129-5677','www.ey.com','234','Lafayette Rd','New York','New York','13205')

insert into Company values ('2','Deloitte','315-356-5887','www.deloitte.com','456','Sumner Ave','New York','New York','13100')

insert into Company values ('3','PWC','315-894-4787','www.pwc.com','791','Maryland Ave','New York','New York','13801')

insert into Company values ('4','KPMG','315-129-5677','www.kpmg.com','437','Lancaster Ave','New York','New York','12147')

insert into Company values ('5','Cognizant','315-476-5182','www.cognizant.com','825','Ackerman Ave','New York','New York','10071')

insert into Position values ('1','Technology Analyst','Internship','yes','1')

insert into Position values ('2','Business Analyst','Entry','yes','1')

insert into Position values ('3','Database Analyst','Executive','yes','2')

insert into Position values ('4','Risk Manager','Executive','no','3')

insert into Position values ('5','Advisor Consultant','Staff','yes','4')

insert into Position values ('6','Project Manager','Managerial','no','5')

insert into Interview values ('1','2','2013-09-27 00:00:00:000','1','1','1')

insert into Interview values ('2','1','2013-09-28 00:00:00:000','2','2','2')

insert into Interview values ('3','3','2013-09-17 00:00:00:000','3','3','1')

insert into Interview values ('4','2','2013-09-11 00:00:00:000','1','2','1')

insert into Interview values ('5','5','2013-09-17 00:00:00:000','5','5','5')

select \* from Candidate

select \* from Interviewer

select \* from Company

select \* from Position

select \* from Interview









