CREATE TABLE Amenities(subscriptionType VARCHAR(30), equipID INTEGER, isAvailable VARCHAR(4), equipName VARCHAR(30), hasEquipment CHAR(10), CONSTRAINT Amenities\_pk PRIMARY KEY(subscriptionType, equipID, hasEquipment));

CREATE TABLE Customer(subscriptionPlan VARCHAR(30) , username VARCHAR(30), password VARCHAR(30), membershipID INTEGER, customerName VARCHAR(30), birthDate DATE, membershipStart DATE, memberAt CHAR(10), CONSTRAINT Customer\_pk PRIMARY KEY(subscriptionPlan, username, password, membershipID, memberAt));

CREATE TABLE Employee(employeeID INTEGER, isTrainer BOOL, isManager BOOL, employeeFName VARCHAR(30), employeeLName VARCHAR(30), startDate DATE, worksAt CHAR(10), CONSTRAINT Employee\_pk PRIMARY KEY(employeeID, worksAt));

CREATE TABLE Location(locationID CHAR(10) PRIMARY KEY, address TEXT);

CREATE TABLE hasTrainer(membershipID INTEGER, employeeID INTEGER, CONSTRAINT hasTrainer\_pk PRIMARY KEY(membershipID, employeeID));

CREATE TABLE hasAccess(subscriptionPlan VARCHAR(30) REFERENCES Customer, username VARCHAR(30) REFERENCES Customer, password VARCHAR(30) REFERENCES Customer, membershipID INTEGER REFERENCES Customer, equipID INTEGER REFERENCES Amenities, subscriptionType VARCHAR(30) REFERENCES Amenities, CONSTRAINT hasAccess.pk PRIMARY KEY(subscriptionType, equipID, subscriptionPlan, username, password, membershipID);

FOREIGN KEY (subscriptionPlan, username, password, membershipID, employeeID) REFERENCES Customer,