//Students: all attributes from table+ID renamed to STID+many to one relation ‘’Belong’’ i.e added primary key Pname from program

//I removed the M to 1 relation Study to department because a student can study in many departments and this link is encapsulated in the ‘’Belong’’

CREATE TABLE Students(STID INT, Advisor CHAR (30), Credit INT, FirstName CHAR (30),LastName CHAR (30), GPA FLOAT,PName CHAR (30));

//undergraduate: redundant but there is so much to add for grad student I didn’t want to combine in Student

CREATE TABLE Undergraduate (STID INT);

//Graduate: not using null value approach, May need to make a relation to professor i.e SupervisedBy IID instead of an attribute, May need to specify if in thesis based program or course based (can also be done by Null for supervisorID i.e no supervisor because in course based

CREATE TABLE Graduate (STID INT, SupervisorID INT);

//ResearchFunding: I changed to a weak entity set and added the attribute ammount

CREATE TABLE ReseachFunding (Amount INT,STID INT);

//Teaching assistant: changed to isa from graduate CHAR(1) b/c Y/N whether assigned or not

CREATE TABLE Teaching Assistant (STID INT, Total Hours INT, Assignment Marking CHAR(1), Lab instructor CHAR(1), Tutorial Session CHAR(1));

//Instructor copy pasted attributes ID renamed to IID

CREATE TABLE Instructor (IID INT, Name CHAR (30));

//Work/teach Many to Many tables with 2 primary keys as seen in class

CREATE TABLE Work (DID INT,IID INT);

CREATE TABLE Teach (SID INT,IID INT);

//Section ID renamed to SID all attributes from picture

CREATE TABLE Section (SID INT, Semester CHAR (30), Year INT);

//Take Many to Many from class 2 primary keys, grade is 2 char because Letter+ ‘-’or’+’ I.e A-or D+

CREATE TABLE Take (STID INT, SID INT, MinimumGrade CHAR (2));

//Class put Number to be key and did the Weak relation

CREATE TABLE Class ( Number INT, SID INT, Building CHAR (30),Capacity INT);

//TimeSlot Start time is key and did weak relation

//I am unsure about wether or not this should be a weak relation or attribute or what To discuss…

CREATE TABLE Timeslot ( StartTime TIME, SID INT, Endtime TIME);

//Department copy pasted from picture changed Name to DName

CREATE TABLE Department ( DName CHAR (30), Building CHAR (30));

//Program c/p from pic changed name to PName

CREATE TABLE Program ( PName CHAR (30));

//there were multiple has so I renamed when appropriate to the intials of the two being linke i.e program –has—department renamed to Program—Pdhas—Department

CREATE TABLE PDHas ( PName CHAR (30), DName CHAR (30));

//note university –has—dep is redundant as there is only 1 university so it is not included

CREATE TABLE University ( UName CHAR (30));

//Course id changed to CID and name changed to Cname added 1 to1 prerequisite Id attricute

CREATE TABLE Course ( CID INT, CName CHAR (30),PrereqCID INT);

//DChas: DEPARTMENT has course many to many

CREATE TABLE DCHas ( CName CHAR (30), DName CHAR (30));

//CShas Course has section many to 1

CREATE TABLE CSHas ( SName CHAR (30), CName CHAR (30));