RELATIONAL SCHEMA

Student (StudentID, Name, Surname, Birthplace, BirthDate, Address)

Department (DepartmentID, Dname)

Study (StudentID, DepartmentID)

Course (CourseID, CourseName, QuotaLimit)

Instructor (InstructorID, Name, Surname, Address, BirthPlace, BirthDate)

Has (CourseID, InstructorID)

Work on (DepartmentID, InstructorID)

Enroll (CourseID, StudentID, LetterGrade)

Depentdent (StudentID, PName, Relationship)

CREATE TABLE Student (

StudentID Integer,

Name Char(40),

Surname Char(30),

Address Char(50),

BirthPlace Char(20),

BirthDate Date,

GPA Real,

Primary Key (StudentID))

CREATE TABLE Department(

DepartmentID Integer,

Dname Char(40)

Primary Key(DepartmentID))

CREATE TABLE Study (

StudentID Integer,

DepartmentID Integer,

Primary Key (StudentID,DepartmentID),

Foreign Key (StudentID) References Student,

Foreign Key (DepatmentID) References Department)

CREATE TABLE Course (

CourseID Integer,

CourseName CHAR(30),

QuotaLimit Integer,

Primary Key(CourseID))

CREATE TABLE Instructor(

InstructorID Integer,

Name Char(40),

Surname Char(30),

Address Char(50),

BirthDate Date,

Birthplace Char(20),

Primary Key(InstructorID))

CREATE TABLE Has(

CourseID Integer,

InstructorID Integer,

Primary Key(CourseID,InstructorID),

Foreign Key(CourseID) References Course,

Foreign Key(InstructorID) References Instructor)

CREATE TABLE Work On(

DepartmentID Integer,

InstructorID Integer,

Primary Key(DepartmentID,InstructorID),

Foreign Key(DepartmentID) References Department,

Foreign Key(InstructorID) References Instructor)

CREATE TABLE Enroll (

CourseID Integer,

StudentID Integer,

LetterGrade Char(2),

Primary Key(CourseID,StudentID),

Foreign Key(CourseID) References Course,

Foreign Key(InstructorID) References Instructor

)

Create table Dependent (

StudentID Integer,

PName Char(20),

Relationship char(50),

Primary key (StudentID, DName),

Foreign key (StudentID) References Student (StudentID) on DELETE CASCADE)