*SQL of creation relations (DDL):*

CREATE DATABASE DAYESDA;

CREATE TABLE organization

( oid     CHAR(10)     NOT NULL,

    orgname    VARCHAR(100) NOT NULL,

Sector     VARCHAR(25)   NOT NULL,

Location   VARCHAR(50) NOT NULL,

Phone    INT NOT NULL,

password   CHAR(6)       NOT NULL,

    PRIMARY KEY (oid));

CREATE TABLE trainee

(     tid     CHAR(10)    NOT NULL,

tfname     VARCHAR(25)  NOT NULL,

tlname     VARCHAR(25)  NOT NULL,

Phone    INT NOT NULL,

password   CHAR(6)      NOT NULL,

    PRIMARY KEY (tid) );

CREATE TABLE service

(    sid     CHAR(5)        NOT NULL,

    sname     VARCHAR(50)    NOT NULL,

sdescription VARCHAR(255)NOT NULL,

    PRIMARY KEY (sid) );

CREATE TABLE employee

(     eid     CHAR(10)     NOT NULL,

fname     VARCHAR(25)   NOT NULL,

lname     VARCHAR(25)   NOT NULL,

salary    INT   Check(salary>=5000 AND Salary<=25000),

jobtitle  VARCHAR(50) NOT NULL,

address   VARCHAR(50) NOT NULL,

Phone    INT NOT NULL,

password  CHAR(6)       NOT NULL,

    PRIMARY KEY (eid));

CREATE TABLE PAYMENT

(    cardnumber  CHAR(16)     NOT NULL,

    type     VARCHAR(100) NOT NULL,

address    VARCHAR(100) NOT NULL,

PRIMARY KEY (cardnumber));

CREATE TABLE request

(    reqnumber    INT     NOT NULL AUTO\_INCREMENT,

    date         DATE       NOT NULL,

    price     NUMERIC(7,2),

sid     CHAR(5)   NOT NULL,

oid     CHAR(10)   NOT NULL,

    PRIMARY KEY (reqnumber),

    FOREIGN KEY (sid) REFERENCES service(sid) ON UPDATE CASCADE,

FOREIGN KEY (oid) REFERENCES organization(oid) ON UPDATE CASCADE);

CREATE TABLE course

(    crid     CHAR(10)     NOT NULL,

    crname     VARCHAR(100) NOT NULL,

cdescription VARCHAR(255)NOT NULL,

    duration    INT    NOT NULL,

tuition     NUMERIC(5,2) NOT NULL,

eid     CHAR(10) NOT NULL,

    PRIMARY KEY (crid),

FOREIGN KEY (eid) REFERENCES employee(eid) ON UPDATE CASCADE);

CREATE TABLE completion

(    yearofcom   INT     NOT NULL,

    crid     CHAR(10)    NOT NULL,

tid     CHAR(10)    NOT NULL,

cardnumber  CHAR(16)    NOT NULL,

grade     CHAR(5),

    PRIMARY KEY (yearofcom,tid,crid),

    FOREIGN KEY (crid) REFERENCES course(crid) ON UPDATE CASCADE,

    FOREIGN KEY (tid) REFERENCES trainee(tid) ON UPDATE CASCADE,

FOREIGN KEY (cardnumber) REFERENCES payment(cardnumber) ON UPDATE CASCADE);

CREATE TABLE isassignedto

(    eid     CHAR(10)    NOT NULL,

reqnumber   INT     NOT NULL,

    PRIMARY KEY (reqnumber, eid),

    FOREIGN KEY (reqnumber) REFERENCES request(reqnumber)ON UPDATE CASCADE,

    FOREIGN KEY (eid) REFERENCES employee(eid)ON UPDATE CASCADE );