#Create database----------------------------------

CREATE DATABASE IF NOT EXISTS herdr;

USE herdr;

#Create tables---------------------------------------

CREATE TABLE IF NOT EXISTS adminusers

(

lnum int(8) NOT NULL,

name varchar(20),

email varchar (50),

pswd varchar(64)

)ENGINE=InnoDB;

CREATE TABLE IF NOT EXISTS bio

(

l\_num int(8) PRIMARY KEY,

l\_name varchar(20) NOT NULL,

f\_name varchar(20) NOT NULL,

p\_name varchar(20),

suspend bool NOT NULL,

suspend\_num int(2),

warn\_num int(2),

hall\_id int(2),

bday date,

sex char(1) NOT NULL,

prof\_pic varchar(255),

college varchar(30),

major varchar(45),

aboutme varchar(500),

allergies varchar(100)

)ENGINE=InnoDB;

CREATE TABLE IF NOT EXISTS studentusers

(

lnum int(8) PRIMARY KEY,

email varchar(50) NOT NULL,

pswd blob NOT NULL,

FOREIGN KEY (lnum) REFERENCES bio(l\_num)

)ENGINE=InnoDB;

CREATE TABLE IF NOT EXISTS question

(

L\_num int(8),

q\_introvert bool NOT NULL,

q\_study char(5) NOT NULL,

q\_bedtime varchar(10) NOT NULL,

q\_guest varchar(10) NOT NULL,

q\_nightguest varchar(14) NOT NULL,

q\_travel char(10) NOT NULL,

q\_shared bool NOT NULL DEFAULT 0,

q\_relationship varchar(25) NOT NULL,

q\_temp char(10) NOT NULL,

oq\_enneagram int(1),

oq\_myersbriggs varchar(7),

oq\_lightsleep bool,

oq\_clean varchar(12),

oq\_nap bool,

oq\_noise char (8),

hq\_gpa varchar(4),

hq\_religion varchar(13),

hq\_sat varchar(4),

hq\_act varchar(2),

hq\_smoke bool NOT NULL,

hq\_drink bool NOT NULL,

hq\_lgbt bool,

hq\_mental char(15),

PRIMARY KEY (L\_num),

FOREIGN KEY (L\_num) REFERENCES bio(l\_num)

)ENGINE=InnoDB;

CREATE TABLE IF NOT EXISTS hall

(

h\_id int(2) PRIMARY KEY,

hallname varchar(20) NOT NULL

)ENGINE=InnoDB;

CREATE TABLE IF NOT EXISTS matches

(

m\_id mediumint UNSIGNED NOT NULL AUTO\_INCREMENT PRIMARY KEY,

match\_time datetime,

lnum1 int(8) NOT NULL,

lnum2 int(8) NOT NULL,

checked bool NOT NULL DEFAULT 0,

confirm\_match bool DEFAULT 0,

blocked bool DEFAULT 0,

FOREIGN KEY (lnum1) REFERENCES bio(l\_num),

FOREIGN KEY (lnum2) REFERENCES bio(l\_num)

)ENGINE=InnoDB;

CREATE TABLE IF NOT EXISTS reports

(

r\_id int NOT NULL AUTO\_INCREMENT PRIMARY KEY,

r\_time datetime,

`status` varchar(10) NOT NULL DEFAULT 'no status',

lnum int(8) NOT NULL,

category varchar(20) NOT NULL,

comment varchar(200),

checked tinyint(1) NOT NULL DEFAULT 0,

warn tinyint(1) DEFAULT 0,

`suspend` tinyint(1) NOT NULL DEFAULT 0,

FOREIGN KEY (lnum) REFERENCES bio(l\_num)

)ENGINE=InnoDB;

CREATE TABLE IF NOT EXISTS contactinfo

(

lnum int(8),

p\_email varchar(50),

phone\_num int(11),

PRIMARY KEY (lnum),

FOREIGN KEY (lnum) REFERENCES bio(l\_num)

)ENGINE=InnoDB;

#Adding foreign keys------------------------------

ALTER TABLE bio

ADD FOREIGN KEY (hall\_id) REFERENCES hall (h\_id);

#Adding hall values--------------------------------

INSERT INTO hall

(h\_id, hallname)

VALUES

(00, "OFF CAMPUS"),

(01, "BISON HALL"),

(02, "ELAM HALL"),

(03, "FANNING HALL"),

(04, "HIGH RISE"),

(05, "JOHNSON HALL"),

(06, "SEWELL HALL"),

(07, "THE VILLAGE")

;

#Adding test subjects-----------------------------

#JANE DOE

INSERT INTO studentusers VALUES (12345678, "JaneDoe@gmail.com", SHA2("LouLouLou\_WhereAreYou", 512) );

INSERT INTO bio VALUES (12345678, "DOE", "JANE", "JANIE", 0, 01, NULL, "F", "https://zinoui.com/blog/storing-passwords-securely", "CCT", "Project Management", "Live, Laugh, Love", "Watermelon");

INSERT INTO question VALUES (12345678, 1, "OFTEN", "11:00pm", "SOME", "A LOT", "NEVER", 0, "FRIENDS", "HOT", 4, "ENTP", 1, "MESSY", 1, "QUIET", "1.59", "THE FORCE", "200", "28", 1, 1, 1, "ROUGH");

INSERT INTO contactinfo VALUES (12345678, "itsjaneee@hotmail.com", 1766784356);

#GROGNAK THE DESTROYER

INSERT INTO studentusers VALUES (87654321, "thelaw@yahoo.com", SHA2("Amnosia??75", 512) );

INSERT INTO bio VALUES (87654321, "THE DESTROYER", "GROGNAK", "ATT. AT LAW", 0, 01, NULL, "F", "https://youtu.be/dQw4w9WgXcQ", "Public Relations", "LJS", "ill clean the bathroom", "Sarcasm");

DELETE FROM question WHERE (L\_num = 87654321);

INSERT INTO question VALUES (87654321, 0, "NEVER", "6:00am", "SOME", "NEVER", "ALWAYS", 1, "NEMESIS", "COLD", 6, "INTF-J", 0, "CLEAN", 0, "LOUD", "6.99", "NO", "666", "01", 0, 0, 0, "GREAT");

INSERT INTO contactinfo VALUES(87654321, "GROGNAK@GROGNAK.com", 1986954976);

#Testing------------------------------------------

/\*

SELECT \* FROM studentusers;

SELECT \* FROM bio;

SELECT \* FROM question;

SELECT \* FROM contactinfo;

SELECT \* FROM hall;

\*/

#Creating stored procedures-----------------------

Delimiter $$

DROP PROCEDURE GetProfile;

CREATE PROCEDURE GetProfile ( IN lnum INT )

BEGIN

SELECT

l\_name,

f\_name,

p\_name,

sex,

prof\_pic,

college,

major,

aboutme,

allergies

FROM bio

WHERE l\_num = lnum;

SELECT

q\_introvert,

q\_study,

q\_bedtime,

q\_guest,

q\_nightguest,

q\_travel,

q\_shared,

q\_relationship,

q\_temp,

oq\_enneagram,

oq\_myersbriggs,

oq\_lightsleep,

oq\_clean,

oq\_nap,

oq\_noise,

hq\_gpa,

hq\_religion,

hq\_act,

hq\_smoke,

hq\_lgbt,

hq\_mental

FROM herdr.question

WHERE question.L\_num = lnum;

END$$

DELIMITER ;

Delimiter $$

CREATE PROCEDURE CreateStudentAccount ( IN lnum INT(8), mail VARCHAR(50), pswrd BLOB )

BEGIN

INSERT INTO herdr.studentusers (L\_num, email, pwsd)

VALUES (lnum, mail, SHA2(pwsd, 512) );

END$$

DELIMITER ;

DELIMITER $$

DROP PROCEDURE UserInfo;

CREATE PROCEDURE UserInfo ( IN lnum INT(8))

BEGIN

SELECT lnum, email, pswd

FROM studentusers

WHERE l\_num = lnum;

END$$

DELIMITER ;

#Testing stored procedures--------------------

Call GetProfile(87654321);

CALL UserInfo(87654321);