

Ebn-Elhytham Database Project

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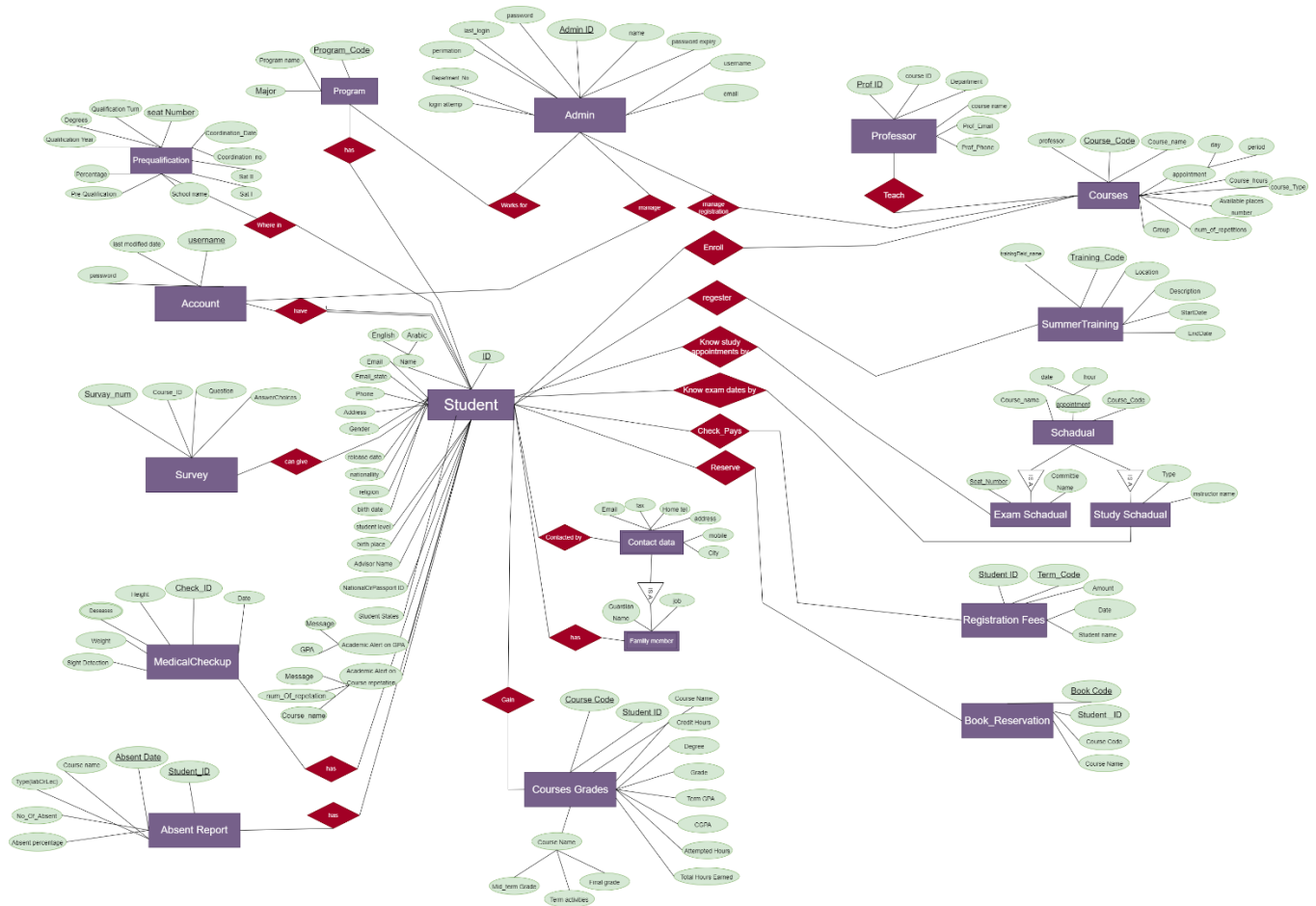
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ERD



SCHEMA

Ebn-Elhytham Schema



CODE

Create table student

```
CREATE TABLE Student (  
    id INT NOT NULL AUTO_INCREMENT,  
    name_arabic VARCHAR(255) NOT NULL,  
    name_english VARCHAR(255) NOT NULL,  
    email VARCHAR(255) NOT NULL,  
    address VARCHAR(255),  
    phone VARCHAR(20),  
    gender ENUM('Male', 'Female'),  
    religion VARCHAR(50),  
    release_date DATE,  
    birth_date DATE,  
    student_level VARCHAR(50),  
    email_state ENUM('Verified', 'Unverified'),  
    Advisor_name VARCHAR(255),  
    student_state ENUM('Active', 'Inactive'),  
    nationalOrPassportID VARCHAR(50),  
    AlertGPA FLOAT,  
    GPA_Alerted ENUM('Yes', 'No'),  
    RepAlertMessage VARCHAR(255),  
    Rep_Alert_num_Rep INT,  
    Alert_repeataction_message VARCHAR(255),  
    Account_Username VARCHAR(255),  
    program_no INT,  
    Admin_ID INT,  
    PRIMARY KEY (id));
```

create Table Student Account

```
CREATE TABLE Account (  
    username VARCHAR(255) NOT NULL,  
    password VARCHAR(255) NOT NULL,  
    last_modified TIMESTAMP DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP,  
    PRIMARY KEY (username)  
);
```

create Program

```
CREATE TABLE Program (  
    Program_no INT NOT NULL,  
    program_name VARCHAR(255) NOT NULL,  
    major VARCHAR(255),  
    PRIMARY KEY (Program_no)  
);
```

Create Table prequalification

```
CREATE TABLE Prequalification (  
    seat_number INT NOT NULL,  
    Coordination_Date DATE,  
    Coordination_no VARCHAR(50),  
    Sat_II VARCHAR(50),  
    Sat_I VARCHAR(50),  
    School_name VARCHAR(255),  
    Pre_Qualification VARCHAR(255),  
    Percentage FLOAT,  
    Qualification_Year INT,  
    Degrees VARCHAR(255),  
    Qualification_Turn ENUM('First', 'Second', 'Third'),  
    PRIMARY KEY (seat_number)  
);
```

Create Table Survey

```
CREATE TABLE Survey (  
    Survey_num INT NOT NULL,  
    course_code VARCHAR(50) NOT NULL,  
    question VARCHAR(255) NOT NULL,  
    AnswerChoices VARCHAR(255) NOT NULL,  
    PRIMARY KEY (Survey_num)  
);  
  
ALTER TABLE Survey  
ADD COLUMN Student_ID INT NOT NULL;
```

```
ALTER TABLE Survey
```

```
ADD CONSTRAINT fk_Survey_Student FOREIGN KEY (Student_ID) REFERENCES Student (id);
```

Create Table Absent Report

```
CREATE TABLE Absent_Report (  
    Absent_Date DATE NOT NULL,  
    Student_ID INT NOT NULL,  
    Type VARCHAR(50),  
    Num_Of_Absent INT,  
    Absent_percentage FLOAT,  
    PRIMARY KEY (Absent_Date, Student_ID),  
    FOREIGN KEY (Student_ID) REFERENCES Student (id)  
);
```

Create Table family member

```
CREATE TABLE Family_Member (  
    Family_member_ID INT NOT NULL AUTO_INCREMENT,  
    Student_ID INT NOT NULL,  
    Guardian_Name VARCHAR(255) NOT NULL,  
    job VARCHAR(255),  
    Home_tel VARCHAR(20),  
    address VARCHAR(255),  
    mobile VARCHAR(20),  
    City VARCHAR(50),  
    fax VARCHAR(20),  
    PRIMARY KEY (Family_member_ID),  
    UNIQUE KEY (Student_ID, Guardian_Name),  
    FOREIGN KEY (Student_ID) REFERENCES Student (id) ON DELETE CASCADE  
);
```

Create Table Contact data

```
CREATE TABLE Contact_Data (  
    Contact_ID INT NOT NULL AUTO_INCREMENT,  
    Student_ID INT NOT NULL,  
    email VARCHAR(255),  
    Home_tel VARCHAR(20),  
    address VARCHAR(255),  
    mobile VARCHAR(20),  
    City VARCHAR(50),  
    fax VARCHAR(20),  
    PRIMARY KEY (Contact_ID),  
    FOREIGN KEY (Student_ID) REFERENCES Student (id) ON DELETE CASCADE  
);
```

Create Table Medical Check Up

```
CREATE TABLE MedicalCheckup (  
    Check_ID INT NOT NULL AUTO_INCREMENT,  
    Date DATE NOT NULL,  
    Height FLOAT,  
    Weight FLOAT,  
    Sight_Detection VARCHAR(255),  
    the_heart VARCHAR(255),  
    Smoking ENUM('Yes', 'No'),  
    PRIMARY KEY (Check_ID));  
  
ALTER TABLE MedicalCheckup  
ADD COLUMN Student_ID INT NOT NULL;  
  
ALTER TABLE MedicalCheckup  
ADD CONSTRAINT fk_MedicalCheckup_Student FOREIGN KEY (Student_ID) REFERENCES Student (id);
```

Create Table Courses_Grades

```
CREATE TABLE Courses_Grades (  
    Course_Code VARCHAR(50) NOT NULL,  
    Student_ID INT NOT NULL,  
    Course_Name VARCHAR(255),
```

```
Credit_Hours INT,  
Degree VARCHAR(255),  
Grade VARCHAR(10),  
Term_GPA FLOAT,  
CGPA FLOAT,  
Attempted_Hours INT,  
Total_Hours_Earned INT,  
Mid_term_Grade VARCHAR(10),  
Term_Activities VARCHAR(255),  
Final_Grade VARCHAR(10),  
PRIMARY KEY (Course_Code, Student_ID),  
FOREIGN KEY (Student_ID) REFERENCES Student (id)  
);
```

Create Table book reservation

```
CREATE TABLE Book_Reservation (  
    Book_Code VARCHAR(50) NOT NULL,  
    Reservation_Date DATE NOT NULL,  
    Course_Code VARCHAR(50),  
    Student_ID INT NOT NULL,  
    PRIMARY KEY (Book_Code),  
    FOREIGN KEY (Student_ID) REFERENCES Student (id)  
);
```

Create Table Exam schadual

```
CREATE TABLE Exam_Schedule (  
    Seat_Number INT NOT NULL,  
    Course_Code VARCHAR(50),  
    Course_Name VARCHAR(255),  
    Committee_Name VARCHAR(255),  
    Exam_Date DATE,
```



```
Exam_Hour TIME,  
  
PRIMARY KEY (Seat_Number)  
  
);
```

Create Table Study Schadual

```
CREATE TABLE Study_Schedule (  
  
Course_Code VARCHAR(50) NOT NULL,  
  
Schedule_Date DATE NOT NULL,  
  
Schedule_Hour TIME NOT NULL,  
  
Type ENUM('Section', 'Lecture' , 'Lab' ) NOT NULL,  
  
Instructor_Name VARCHAR(255),  
  
Course_Name VARCHAR(255),  
  
PRIMARY KEY (Course_Code, Schedule_Date, Schedule_Hour,Type)  
  
);
```

Create Table registration fees

```
CREATE TABLE Registration_Fees (  
  
Student_ID INT NOT NULL,  
  
Term_Code VARCHAR(50) NOT NULL,  
  
Amount FLOAT,  
  
Payment_Date DATE,  
  
Student_Name VARCHAR(255),  
  
PRIMARY KEY (Student_ID, Term_Code)  
  
);
```

Create Table Program

```
CREATE TABLE Program (  
  
Program_num INT NOT NULL,  
  
Program_name VARCHAR(255),  
  
Major VARCHAR(255),  
  
PRIMARY KEY (Program_num)  
  
);
```

Create Table Admin

```
CREATE TABLE Admin (  
    Admin_ID INT NOT NULL,  
    Name VARCHAR(255),  
    Username VARCHAR(255),  
    Password_Expiry DATE,  
    Email VARCHAR(255),  
    Last_Login DATETIME,  
    Permission VARCHAR(255),  
    program_no INT,  
    Login_Attempts INT,  
    PRIMARY KEY (Admin_ID),  
    FOREIGN KEY (program_no) REFERENCES program (Program_num)  
);
```

Create Table Courses

```
CREATE TABLE Courses (  
    Course_Code VARCHAR(50) NOT NULL,  
    Professor VARCHAR(255),  
    Course_Name VARCHAR(255),  
    Course_Date DATE,  
    Course_Period VARCHAR(50),  
    Course_Hours INT,  
    Course_Type ENUM('Lecture', 'Section', 'Lab'),  
    Available_Places INT,  
    Course_Group VARCHAR(50),  
    Num_Of_Repetition INT,  
    PRIMARY KEY (Course_Code)  
);
```

Create Table Professor

```
CREATE TABLE Professor (  
  Prof_ID INT NOT NULL,  
  program VARCHAR(255),  
  Name VARCHAR(255),  
  Prof_Email VARCHAR(255),  
  Prof_Phone VARCHAR(50),  
  PRIMARY KEY (Prof_ID)  
);
```

Create Table Teach Courses

```
CREATE TABLE Teach_Courses (  
  Prof_ID INT,  
  Course_Code VARCHAR(50),  
  FOREIGN KEY (Prof_ID) REFERENCES Professor (Prof_ID),  
  FOREIGN KEY (Course_Code) REFERENCES courses (Course_Code)  
);
```

Create Table Manage Registration

```
CREATE TABLE Manage_Registration (  
  Registration_ID INT NOT NULL AUTO_INCREMENT,  
  Admin_ID INT,  
  Course_Code VARCHAR(50),  
  PRIMARY KEY (Registration_ID),  
  FOREIGN KEY (Admin_ID) REFERENCES Admin (Admin_ID),  
  FOREIGN KEY (Course_Code) REFERENCES courses (Course_Code)  
);
```

Create Table Student Registration

```
CREATE TABLE Student_Register_Courses (  
    Student_ID INT,  
    Course_Code VARCHAR(50),  
    FOREIGN KEY (Student_ID) REFERENCES Student (ID),  
    FOREIGN KEY (Course_Code) REFERENCES Courses (Course_Code)  
);
```

Create Table Summer Training

```
CREATE TABLE Summer_Training (  
    Training_Code VARCHAR(50) NOT NULL,  
    Location VARCHAR(255),  
    Start_Date DATE,  
    End_Date DATE,  
    Description TEXT,  
    TrainingField_Name VARCHAR(255),  
    PRIMARY KEY (Training_Code)  
);
```

Create Table Enroll Summer Training

```
CREATE TABLE Enroll_Summer_Training (  
    Student_ID INT,  
    Training_Code VARCHAR(50),  
    FOREIGN KEY (Student_ID) REFERENCES Student (ID),  
    FOREIGN KEY (Training_Code) REFERENCES Summer_Training (Training_Code)  
);
```

Inserting code

insert 1 in admin table

```
INSERT INTO Admin (Admin_ID ,Name, Username, Password_Expiry, Email ,Last_Login ,Permission, Login_Attempts)
VALUES (1, 'Ahmed Ali', 'ahmedali123', '2023-12-31', 'ahmedali123@gmail.com', '2023-05-01 12:00:00', 'registration courses', 0);
```

insert 2 in admin table

```
INSERT INTO Admin (Admin_ID ,Name, Username, Password_Expiry, Email ,Last_Login ,Permission, Login_Attempts)
VALUES (2, 'Mohammed Ali', 'mohammedali123', '2023-12-31', 'mohammedali123@gmail.com', '2023-05-04 12:00:00', 'registration courses', 1);
```

insert 2 in admin table

```
INSERT INTO Admin (Admin_ID ,Name, Username, Password_Expiry, Email ,Last_Login ,Permission, Login_Attempts)
VALUES (3, 'Alaa Ali', 'alaaali123', '2023-12-31', 'alaaali123@gmail.com', '2023-03-04 12:00:00', 'registration courses', 2);
```

insert 1 in program table

```
INSERT INTO program (Program_num,Program_name,Major)
VALUES (1, 'Data Science', 'studing data science');
```

insert 2 in program table

```
INSERT INTO program (Program_num,Program_name,Major)
VALUES (2, 'Ai', 'learning Ai');
```

insert 3 in program table

```
INSERT INTO program (Program_num,Program_name,Major)
VALUES (3, 'Cyber Security', 'learning Cyber Security');
```

insert 1 in courses table

```
INSERT INTO Courses (Course_Code,Professor,Course_Name,Course_Date,Course_Period,Course_Hours,Course_Type,
Available_Places,Course_Group,Num_Of_Repetition)
VALUES ('CS101', 'Abeer mohammed', 'Introduction to Computer Science', '2023-09-01', '8:30-10:30', 1, 'Lecture', 50, 'A', 0);
```

insert 2 in courses table

```
INSERT INTO Courses (Course_Code,Professor,Course_Name,Course_Date,Course_Period,Course_Hours,Course_Type,
Available_Places,Course_Group,Num_Of_Repetition)
VALUES ('CS102', 'Ali mohammed', 'Introduction to Data Science', '2023-09-01', '10:30-12:30', 2, 'Lecture', 30, 'A', 0);
```

insert 3 in courses table

```
INSERT INTO Courses (Course_Code,Professor,Course_Name,Course_Date,Course_Period,Course_Hours,Course_Type,
Available_Places,Course_Group,Num_Of_Repetition)
```

```
VALUES ('CS103', 'Yasser Fouad', 'Introduction to Database', '2023-09-01', '12:30-2:30', 2, 'Lecture', 20, 'A', 0);
```

insert 1 in professor table

```
INSERT INTO Professor (Prof_ID,program,Name,Prof_Email,Prof_Phone)
```

```
VALUES (122, 'Data Science', 'abeer mohammed', 'abeermohammed@gmail.com', '01285518599');
```

insert 2 in professor table

```
INSERT INTO Professor (Prof_ID,program,Name,Prof_Email,Prof_Phone)
```

```
VALUES (123, 'Data Science', 'Alaa mohammed', 'alaamohammed@gmail.com', '01285676729');
```

insert 3 in professor table

```
INSERT INTO Professor (Prof_ID,program,Name,Prof_Email,Prof_Phone)
```

```
VALUES (124, 'Data Science', 'Mohammed Alaa', 'mohammedali@gmail.com', '01285676729');
```

insert 1 in teach_courses table

```
INSERT INTO Teach_Courses (Prof_ID, Course_Code)
```

```
VALUES (122, 'CS101');
```

insert 2 in teach_courses table

```
INSERT INTO Teach_Courses (Prof_ID, Course_Code)
```

```
VALUES (123, 'CS102');
```

insert 3 in teach_courses table

```
INSERT INTO Teach_Courses (Prof_ID, Course_Code)
```

```
VALUES (124, 'CS103');
```

insert 1 in manage_registration table

```
INSERT INTO Manage_Registration (Registration_ID,Admin_ID,Course_Code)
```

```
VALUES (1, 2, 'CS101');
```

insert 2 in manage_registration table

```
INSERT INTO Manage_Registration (Registration_ID,Admin_ID)
```

```
VALUES (2, 3);
```

insert 3 in manage_registration table

```
INSERT INTO Manage_Registration (Registration_ID,Admin_ID)
```

```
VALUES ( 3 , 2 );
```

insert 1 in summer training table

```
INSERT INTO Summer_Training (Training_Code, Location, Start_Date, End_Date, Description, TrainingField_Name)
```

```
VALUES ('ST101', 'Alexandria', '2023-07-01', '2023-08-31', 'This summer training program is designed for students who are interested in learning more about data science and programming.', 'data Science');
```

2

```
INSERT INTO Summer_Training (Training_Code, Location, Start_Date, End_Date, Description, TrainingField_Name)
```

```
VALUES ('ST102', 'Cairo', '2023-07-01', '2023-08-31', 'This summer training program is designed for students who are interested in learning more about Robotocs.', 'Robotocs');
```

3

```
INSERT INTO Summer_Training (Training_Code, Location, Start_Date, End_Date, Description, TrainingField_Name)
```

```
VALUES ('ST103', 'Alexandria', '2023-07-01', '2023-08-31', 'This summer training program is designed for students who are interested in learning more about Web Development and programming.', 'Computer Science');
```

Insert in Student data

```
INSERT INTO Student (ID, name_arabic, name_english, email, address, phone, gender, religion, release_date, birth_date, student_level, email_state, Advisor_name, student_state, nationalOrPassportID, AlertGPA, GPA_Alerted, RepAlertMessage, Rep_Alert_num_Rep, program_no)
```

```
VALUES
```

```
(4, 'اماني جابر', 'Amany Gaber', 'amanygaber@gmail.com', 'Alexandria', '555-1234', 'Female', 'Muslim', '2023-05-01', '2001-01-01', 'Undergraduate', 'Verified', 'Jane Smith', 'Enrolled', '23456', 3.5, 'No', NULL, NULL, 1),
```

```
(5, 'علي خالد', 'Ali Khalid', 'alikhaliid@gmail.com', 'Alexandria', '555-5678', 'Male', 'Muslim', '2023-05-01', '2002-01-01', 'Undergraduate', 'Pending', 'John Doe', 'Not enrolled', '34567', 3.8, NULL, NULL, 1, 2),
```

insert in absent report

```
INSERT INTO absent_report (Absent_Date, Student_ID, Type, Num_Of_Absent, Absent_percentage)
```

```
VALUES
```

```
('2023-04-29', 4, 'Unexcused', 3, 15.0),
```

```
('2023-04-28', 5, 'Excused', 2, 10.0),
```

```
('2023-04-27', 6, 'Unexcused', 2, 10.0);
```

```
(6, 'علياء حسين', 'aliaa Hussain', 'reemmahussain@gmail.com', 'Aswan', '555-9012', 'Female', 'Christian', '2023-05-01', '1999-01-01', 'Graduate', 'Verified', 'Sarah Lee', 'Enrolled', '45678', 3.9, NULL, NULL, 1, 3);
```

insert in account

```
INSERT INTO Account (username, password, last_modified)
```

```
VALUES
```

```
('amaygaber', 'asdaffg', '2023-04-30 12:00:00'),
```

```
('aliahmed', 'jdvjnk5', '2023-04-29 12:00:00'),
```

```
('alaaahmed', 'kifvn8', '2023-04-28 12:00:00');
```

book reservation

```
INSERT INTO book_reservation (Book_Code, Reservation_Date, Course_Code, Student_ID)
```

```
VALUES
```

```
('B001', '2023-04-30', 'CS101', 4),
```

```
('B002', '2023-04-29', 'MATH101', 5),
```

```
('B003', '2023-04-28', 'PHYS101', 5);
```

#####3 insert contact data

```
INSERT INTO contact_data (Contact_ID, Student_ID, email, Home_tel, address, mobile, City, fax)
```

```
VALUES
```

```
(1, 4, 'amaygaber330@gmail.com', '555-1234', 'Egypt', '555-5678', 'Alexandria', '555-9012'),
```

```
(2, 5, 'aliahmed1@gmail.com', '555-2345', 'Egypt', '555-6789', 'Alexandria', '555-0123'),
```

```
(3, 6, 'alaaahmed@gmail.com', '555-3456', 'Egypt', '555-6789', 'Alexandria', '555-2345');
```

insert courses grades

```
INSERT INTO courses_grades (Course_Code, Student_ID, Course_Name, Credit_Hours, Degree, Grade, Term_GPA, CGPA, Attempted_Hours, Total_Hours_Earned, Mid_term_Grade, Term_Activities, Final_Grade)
```

```
VALUES
```

```
('CS101', 4, 'Introduction to Computer Science', 3, 'Bachelor', 'A', 4.0, 3.8, 15, 45, 'B', 'Participation in class', 'A'),
```

```
('MATH101', 5, 'Calculus I', 4, 'Bachelor', 'B+', 3.3, 3.0, 16, 48, 'C+', 'Homework assignments', 'B'),
```

```
('PHYS101', 6, 'Physics I', 4, 'Bachelor', 'A-', 3.7, 3.6, 15, 45, 'B-', 'Participation in lab', 'A-');
```


training course

```
INSERT INTO enroll_summer_training (Student_ID, Training_Code)
```

```
VALUES
```

```
(4, 'ST101');
```

```
INSERT INTO enroll_summer_training (Student_ID, Training_Code)
```

```
VALUES
```

```
(4, 'ST102');
```

```
INSERT INTO enroll_summer_training (Student_ID, Training_Code)
```

```
VALUES
```

```
(4, 'ST103');
```

#####Insert in Exam schadual

```
INSERT INTO exam_schedule (Seat_Number, Course_Code, Course_Name, Committee_Name, Exam_Date, Exam_Hour)
```

```
VALUES
```

```
('258', 'CS101', 'Introduction to Computer Science', 'Committee A', '2023-05-15', '09:00:00'),
```

```
('852', 'CS102', 'Calculus I', 'Committee B', '2023-05-16', '11:00:00'),
```

```
('582', 'CS103', 'database I', 'Committee C', '2023-05-17', '13:00:00');
```

Family member

```
INSERT INTO Family_member (Family_member_ID, Student_ID, Guardian_Name, job, Home_tel, address, mobile, City, fax)
```

```
VALUES
```

```
(1, 5, 'John', 'Engineer', '555-1234', 'Alexandria', '555-5678', 'Anytown', '555-9012'),
```

```
(2, 4, 'mohammed', 'Doctor', '555-2345', 'Aswan', '555-6789', 'Anytown', '555-0123'),
```

```
(3, 6, 'Ali', 'Lawyer', '555-3456', 'cairo', '555-7890', 'Anytown', '555-2345');
```

medical check up

```
INSERT INTO medicalcheckup (Check_ID, Date, Height, Weight, Sight_Detection, the_heart, Smoking, Student_ID)
```

```
VALUES
```

```
(1, '2023-04-30', 170, 75, 'Normal', 'Normal', 'No', 4),
```

```
(2, '2023-04-29', 165, 60, 'Normal', 'Normal', 'No', 6),
```

```
(3, '2023-04-28', 180, 85, 'Normal', 'Normal', 'Yes', 5);
```

prequalification

INSERT INTO prequalification (seat_number, Coordination_Date, Coordination_no, Sat_II, Sat_I, School_name, Pre_Qualification, Percentage, Qualification_Year, Degrees, Qualification_Turn)

VALUES

('1236', '2023-04-30', 1234, 'Mathematics', 'Physics', 'ABC High School', 'Excellent', 95.5, 2023, 'High School Diploma', 'First Turn'),
('6325', '2023-04-29', 5678, 'English Literature', 'History', 'XYZ High School', 'Very Good', 88.2, 2023, 'High School Diploma', 'Second Turn'),
('8546', '2023-04-28', 9012, 'Biology', 'Chemistry', 'PQR High School', 'Good', 75.0, 2023, 'High School Diploma', 'First Turn');

registration fees

INSERT INTO registration_fees (Student_ID, Term_Code, Amount, Payment_Date, Student_Name)

VALUES

(4, '2023SP', 1000.00, '2023-05-01', 'Amany'),
(6, '2023SP', 750.00, '2023-04-30', 'Abeer'),
(5, '2023SP', 1200.00, '2023-04-28', 'Alaa');

student_register_courses

INSERT INTO student_register_courses (Student_ID, Course_Code)

VALUES

(5, 'CS101'),
(4, 'CS102'),
(5, 'CS103');

study schadual

INSERT INTO study_schedule (Course_Code, Schedule_Date, Schedule_Hour, Type, Instructor_Name, Course_Name)

VALUES

('CS101', '2023-05-02', '10:00:00', 'Lecture', 'khaled ehab', 'Introduction to Computer Science'),
('CS102', '2023-05-03', '12:00:00', 'Lab', 'Alaa mohammed', 'Calculus I'),
('CS103', '2023-05-04', '14:00:00', 'Lecture', 'fady magdy', 'Physics I');

survey

```
INSERT INTO survey (Survey_num, course_code, question, AnswerChoices, Student_ID)
```

```
VALUES
```

```
(1, 'CS101', 'How satisfied are you with the course?', 'Very satisfied, Satisfied, Neutral, Dissatisfied, Very dissatisfied', 5),
```

```
(2, 'CS102', 'How would you rate the difficulty of the course?', 'Very easy, Easy, Moderate, Difficult, Very difficult', 4),
```

```
(3, 'CS103', 'How helpful was the instructor?', 'Extremely helpful, Very helpful, Moderately helpful, Slightly helpful, Not at all helpful', 6);
```

teach courses

```
INSERT INTO teach_courses (Course_Code, Prof_ID)
```

```
VALUES
```

```
('CS101', 122),
```

```
('CS102', 123),
```

```
('CS103', 124);
```

Alter new Constraints

Add attributes

```
ALTER TABLE Student  
ADD COLUMN Admin_ID INT;
```

```
ALTER TABLE Student  
ADD COLUMN Seat_Number INT;
```

```
ALTER TABLE Student  
ADD COLUMN Student_ID VARCHAR(20);
```

```
ALTER TABLE Student  
ADD COLUMN Course_Code VARCHAR(20);
```

make them forien kes

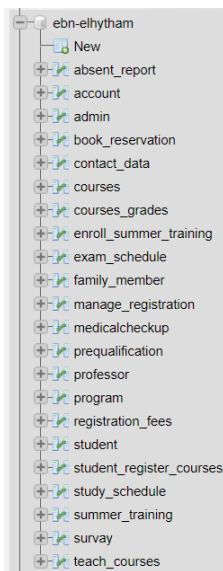
```
ALTER TABLE Student  
ADD CONSTRAINT fk_admin_id  
FOREIGN KEY (Admin_ID)  
REFERENCES Admin(Admin_ID);
```

```
ALTER TABLE Student  
ADD CONSTRAINT fk_seat_number  
FOREIGN KEY (Seat_Number)  
REFERENCES Exam_Schedule(Seat_Number);
```

```
ALTER TABLE Student  
ADD CONSTRAINT fk_student_id  
FOREIGN KEY (Student_ID)  
REFERENCES Registration_Fees(Student_ID);
```

```
ALTER TABLE Student  
ADD CONSTRAINT fk_course_code  
FOREIGN KEY (Course_Code)  
REFERENCES Study_Schedule(Course_Code);
```

All tables



Absent report table

Absent_Date	Student_ID	Type	Num_Of_Absent	Absent_percentage
2023-04-27	6	Unexcused	2	10
2023-04-28	5	Excused	2	10
2023-04-29	4	Unexcused	3	15

ACCOUNT Table

username	password	last_modified
alaaahmed	kjfvn8	2023-04-28 12:00:00
aliahmed	jdvnjk5	2023-04-29 12:00:00
amaygaber	asdaffg	2023-04-30 12:00:00

Admin Table

Admin_ID	Name	Username	Password_Expiry	Email	Last_Login	Permission	program_no	Login_Attempts
e	1 Ahmed Ali	ahmedali123	2023-12-31	ahmedali123@gmail.com	2023-05-01 12:00:00	registration courses	1	0
e	2 Mohammed Ali	mohammedali123	2023-12-31	mohammedali123@gmail.com	2023-05-04 12:00:00	registration courses	2	1
e	3 Alaa Ali	alaaali123	2023-12-31	alaaali123@gmail.com	2023-03-04 12:00:00	registration courses	3	2

BOOK reservation Table

Book_Code	Reservation_Date	Course_Code	Student_ID
B001	2023-04-30	CS101	4
B002	2023-04-29	MATH101	5
B003	2023-04-28	PHYS101	5

Contact Data

Contact_ID	Student_ID	email	Home_tel	address	mobile	City	fax
1	4	amanygaber330@gmail.com	555-1234	Egypt	555-5678	Alexandria	555-9012
2	5	aliahmed1@gmail.com	555-2345	Egypt	555-6789	Alexandria	555-0123
3	6	alaaahmed@gmail.com	555-3456	Egypt	555-6789	Alexandria	555-2345

Courses

Course_Code	Professor	Course_Name	Course_Date	Course_Period	Course_Hours	Course_Type	Available_Places	Course_Group	Num_Of_Repetition
CS101	Abeer mohammed	Introduction to Computer Science	2023-09-01	8:30-10:30	1	Lecture	50	A	0
CS102	Ali mohammed	Introduction to Data Science	2023-09-01	10:30-12:30	2	Lecture	30	A	0
CS103	Yasser Fouad	Introduction to Database	2023-09-01	12:30-2:30	2	Lecture	20	A	0

Grades

Course_Code	Student_ID	Course_Name	Credit_Hours	Degree	Grade	Term_GPA	CGPA	Attempted_Hours	Total_Hours_Earned	Mid_term_Grade	Term_Activities	Final_Grade
CS101	4	Introduction to Computer Science	3	Bachelor	A	4	3.8	15	45	B	Participation in class	A
MATH101	5	Calculus I	4	Bachelor	B+	3.3	3	16	48	C+	Homework assignments	B
PHYS101	6	Physics I	4	Bachelor	A-	3.7	3.6	15	45	B-	Participation in lab	A-

Enroll summer training

Student_ID	Training_Code
4	ST101
4	ST102
4	ST103

Exam Schadual

Seat_Number	Course_Code	Course_Name	Committee_Name	Exam_Date	Exam_Hour
258	CS101	Introduction to Computer Science	Committee A	2023-05-15	09:00:00
582	CS103	database I	Committee C	2023-05-17	13:00:00
852	CS102	Calculus I	Committee B	2023-05-16	11:00:00

Family member

Family_member_ID	Student_ID	Guardian_Name	job	Home_tel	address	mobile	City	fax
1	5	John	Engineer	555-1234	Alexandria	555-5678	Anytown	555-9012
2	4	mohammed	Doctor	555-2345	Aswan	555-6789	Anytown	555-0123
3	6	Ali	Lawyer	555-3456	cairo	555-7890	Anytown	555-2345

Manage Registration

Registration_ID	Admin_ID	Course_Code
1	2	CS101
2	3	CS102
3	2	CS103

Medical check up

Check_ID	Date	Height	Weight	Sight_Detection	the_heart	Smoking	Student_ID
1	2023-04-30	170	75	Normal	Normal	No	4
2	2023-04-29	165	60	Normal	Normal	No	6
3	2023-04-28	180	85	Normal	Normal	Yes	5

Prequalification

seat_number	Coordination_Date	Coordination_no	Sat_II	Sat_I	School_name	Pre_Qualification	Percentage	Qualification_Year	Degrees	Qualification_Turn
1236	2023-04-30	1234	Mathematics	Physics	ABC High School	Excellent	95.5	2023	High School Diploma	
6325	2023-04-29	5678	English Literature	History	XYZ High School	Very Good	88.2	2023	High School Diploma	
8546	2023-04-28	9012	Biology	Chemistry	PQR High School	Good	75	2023	High School Diploma	

Proffessor

Prof_ID	program	Name	Prof_Email	Prof_Phone
122	Data Science	abeer mohammed	abbeermohammed@gmail.com	01285518599
123	Data Science	Alaa mohammed	alaamohammed@gmail.com	01285676729
124	Data Science	Mohammed Alaa	mohammedali@gmail.com	01285676729

Program

Program_num	Program_name	Major
1	Data Science	studing data science
2	Ai	learning Ai
3	Cyber Security	learning Cyber Security

Registration Fees

Student_ID	Term_Code	Amount	Payment_Date	Student_Name
4	2023SP	1000	2023-05-01	Amany
5	2023SP	1200	2023-04-28	Alaa
6	2023SP	750	2023-04-30	Abeer

Student

id	name_arabic	name_english	email	address	phone	gender	religion	release_date	birth_date	student_level	email_state	Advisor_name	student_state	nationalOrPassportID
4	اماني جابر	Amany Gaber	amanygaber@gmail.com	Alexandria	555-1234	Female	Muslim	2023-05-01	2001-01-01	Undergraduate	Verified	saraa alaa		23456
5	علي خالد	Ali Khalid	alikhali@gmail.com	Alexandria	555-5678	Male	Muslim	2023-05-01	2002-01-01	Undergraduate		saleh		34567
6	علياء حسين	aliaa Hussain	reemmahussain@gmail.com	Aswan	555-9012	Female	Christian	2023-05-01	1999-01-01	Graduate	Verified	Ali hamed		45678

Student باقي جدول ال

AlertGPA	GPA_Alerted	RepAlertMessage	Rep_Alert_num	Rep	Alert_repeataion_message	Account_Username	program_no	Admin_ID	Seat_Number	Student_ID	Course_Code
3.5	NULL	NULL	NULL	NULL		amaygaber	1	2	258	4	CS101
3.8	NULL	NULL	NULL	NULL		aliahmed	2	3	582	5	CS101
3.9	NULL	NULL	1	NULL		alaaahmed	3	3	852	6	CS102

Student Regestraion courses

Student_ID	Course_Code
5	CS101
4	CS102
5	CS103

Study Schadual

Course_Code	Schedule_Date	Schedule_Hour	Type	Instructor_Name	Course_Name
CS101	2023-05-02	10:00:00	Lecture	khaled ehab	Introduction to Computer Science
CS102	2023-05-03	12:00:00	Lab	Alaa mohammed	Calculus I
CS103	2023-05-04	14:00:00	Lecture	fady magdy	Physics I

Summer Training

Training_Code	Location	Start_Date	End_Date	Description	TrainingField_Name
ST101	Alexandria	2023-07-01	2023-08-31	This summer training program is designed for stude...	data Science
ST102	Cairo	2023-07-01	2023-08-31	This summer training program is designed for stude...	Robotocs
ST103	Alexandria	2023-07-01	2023-08-31	This summer training program is designed for stude...	Computer Science

Survey

Survey_num	course_code	question	AnswerChoices	Student_ID
1	CS101	How satisfied are you with the course?	Very satisfied, Satisfied, Neutral, Dissatisfied, ...	5
2	CS102	How would you rate the difficulty of the course?	Very easy, Easy, Moderate, Difficult, Very difficu...	4
3	CS103	How helpful was the instructor?	Extremely helpful, Very helpful, Moderately helpfu...	6

Teach courses

Prof_ID	Course_Code
122	CS101
122	CS101
123	CS102
124	CS103