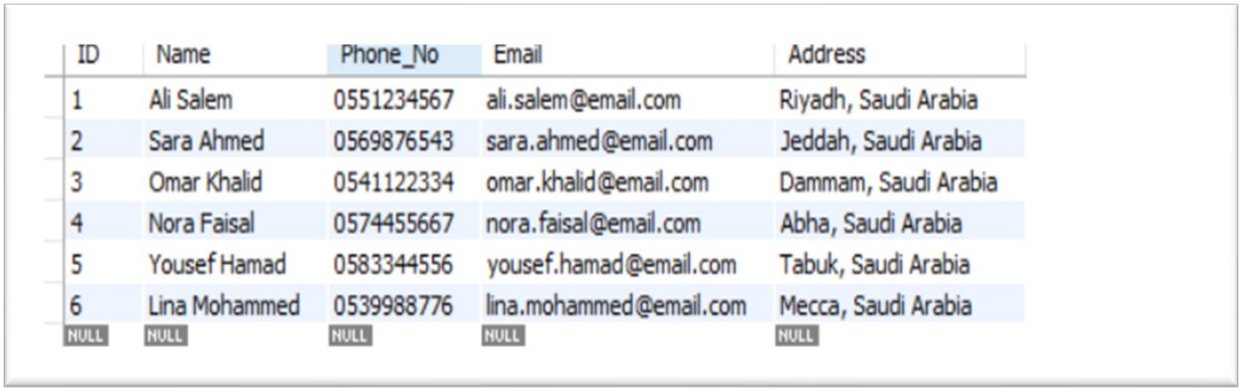
```sql
Create DATABASE field_training2;
USE field_training2;

-- sec 1:  create tables of database
-- 1.1 user table
CREATE TABLE User (
    ID INT PRIMARY KEY,
    Name VARCHAR (100) NOT NULL,
    Phone_ No VARCHAR (15),
    Email VARCHAR (100),
    Address VARCHAR (255)
);

-- 2.1: Insert data into User table
INSERT INTO User (ID, Name, Phone_ No, Email, Address) VALUES
(1, 'Ali Salem', '0551234567', 'ali.salem@email.com', 'Riyadh,
‘Saudi Arabia'),
(2, 'Sara Ahmed', '0569876543', 'sara.ahmed@email.com', 'Jeddah,
Saudi Arabia'),
(3, 'Omar Khalid', '0541122334', 'omar.khalid@email.com', 'Dammam,
Saudi Arabia'),
(4, 'Nora Faisal', '0574455667', 'nora.faisal@email.com', 'Abha,
Saudi Arabia'),
(5, 'Yousef Hamad', '0583344556', 'yousef.hamad@email.com', 'Tabuk,
Saudi Arabia'),
(6, 'Lina Mohammed', '0539988776', 'lina.mohammed@email.com',
'Mecca, Saudi Arabia');
```



ID	Name	Phone_No	Email	Address
1	Ali Salem	0551234567	ali.salem@email.com	Riyadh, Saudi Arabia
2	Sara Ahmed	0569876543	sara.ahmed@email.com	Jeddah, Saudi Arabia
3	Omar Khalid	0541122334	omar.khalid@email.com	Dammam, Saudi Arabia
4	Nora Faisal	0574455667	nora.faisal@email.com	Abha, Saudi Arabia
5	Yousef Hamad	0583344556	yousef.hamad@email.com	Tabuk, Saudi Arabia
6	Lina Mohammed	0539988776	lina.mohammed@email.com	Mecca, Saudi Arabia
NULL	NULL	NULL	NULL	NULL

```sql
-- 1.2 mentor table
CREATE TABLE Mentor (
    Mentor_ ID INT PRIMARY KEY,
    Years_ of_ Experience INT,
    Department VARCHAR (100),
    Job_ Title VARCHAR (100),
    Office_ Hrs VARCHAR (100),
    Max_Assigned_Students INT CHECK (Max_ Assigned_Students <= 100),
    FOREIGN KEY (Mentor_ID) REFERENCES User (ID));
```

```sql
-- 2.2: Insert data into Mentor table
INSERT INTO Mentor (Mentor_ID, Years_of_Experience, Department,
Job_Title, Office_Hrs, Max_Assigned_Students) VALUES
(1, 10, 'Computer Science', 'Senior Mentor', '9AM-12PM', 5),
(2, 8, 'Information Systems', 'Mentor', '1PM-4PM', 4),
(3, 12, 'Software Engineering', 'Lead Mentor', '10AM-1PM', 6);
INSERT INTO Mentor (Mentor_ID, Years_of_Experience, Department,
Job_Title, Office_Hrs, Max_Assigned_Students) VALUES
(4, 5, 'Cybersecurity', 'Assistant Mentor', '8AM-10AM', 3),
(5, 15, 'AI & Robotics', 'Senior Lecturer', '10AM-12PM', 4),
(6, 9, 'Data Science', 'Mentor', '1PM-3PM', 5);
```

Mentor_ID	Years_of_Experience	Department	Job_Title	Office_Hrs	Max_Assigned_Students
1	10	Computer Science	Senior Mentor	9AM-12PM	5
2	8	Information Systems	Mentor	1PM-4PM	4
3	12	Software Engineering	Lead Mentor	10AM-1PM	6
4	5	Cybersecurity	Assistant Mentor	8AM-10AM	3
5	15	AI & Robotics	Senior Lecturer	10AM-12PM	4
6	9	Data Science	Mentor	1PM-3PM	5
NULL	NULL	NULL	NULL	NULL	NULL

```sql
-- 1.3 create Uni_Mentor table
CREATE TABLE Uni_Mentor (
    Uni_Mentor_ID INT PRIMARY KEY,
    Uni_Name VARCHAR(100),
    Feedback_Score DECIMAL(3,2),
    Assigned_Level VARCHAR(50),
    Years_of_Experience INT,
    Department VARCHAR(100),
    Job_Title VARCHAR(100),
    FOREIGN KEY (Uni_Mentor_ID) REFERENCES Mentor(Mentor_ID)
);

-- 2.3: Insert data into Uni_Mentor table
INSERT INTO Uni_Mentor (Uni_Mentor_ID, Uni_Name, Feedback_Score,
Assigned_Level, Years_of_Experience, Department, Job_Title) VALUES
(1, 'King Saud University', 4.8, 'Senior', 10, 'Computer Science',
'Professor'),
(2, 'KAU', 4.6, 'Intermediate', 7, 'Information Systems', 'Associate
Professor'),
(3, 'Imam University', 4.9, 'Senior', 12, 'Software Engineering',
'Department Head');
INSERT INTO Uni_Mentor (Uni_Mentor_ID, Uni_Name, Feedback_Score,
Assigned_Level, Years_of_Experience, Department, Job_Title) VALUES
(4, 'PNU', 4.5, 'Junior', 6, 'Cybersecurity', 'Lecturer'),
(5, 'Taibah University', 4.7, 'Senior', 13, 'AI', 'Professor'),
(6, 'KFUPM', 4.4, 'Intermediate', 8, 'Data Science', 'Assistant
Professor');
```

Uni_Mentor_ID	Uni_Name	Feedback_Score	Assigned_Level	Years_of_Experience	Department	Job_Title
1	King Saud University	4.80	Senior	10	Computer Science	Professor
2	KAU	4.60	Intermediate	7	Information Systems	Associate Professor
3	Imam University	4.90	Senior	12	Software Engineering	Department Head
4	PNU	4.50	Junior	6	Cybersecurity	Lecturer
5	Taibah University	4.70	Senior	13	AI	Professor
6	KFUPM	4.40	Intermediate	8	Data Science	Assistant Professor
NULL	NULL	NULL	NULL	NULL	NULL	NULL

```
-- 1.4 create student table

CREATE TABLE Student (
    Student_ID INT PRIMARY KEY,
    CGPA DECIMAL(3,2),
    Application_State VARCHAR(50),
    Major VARCHAR(100),
    Academic_Level VARCHAR(50),
    Tech_Skills TEXT,
    Certification TEXT,
    LinkedIn_Profile VARCHAR(255),
    Uni_Mentor_ID INT,
    FOREIGN KEY (Student_ID) REFERENCES User(ID),
    FOREIGN KEY (Uni_Mentor_ID) REFERENCES Uni_Mentor(Uni_Mentor_ID)
);

-- 2.4: Insert data into Student table

INSERT INTO Student (Student_ID, CGPA, Application_State, Major,
Academic_Level, Tech_Skills, Certification, LinkedIn_Profile,
Uni_Mentor_ID) VALUES
(4, 3.75, 'Pending', 'Computer Science', 'Senior', 'Java, Python',
'AWS Cloud Practitioner', 'linkedin.com/in/nora', 1),
(5, 3.90, 'Approved', 'Information Systems', 'Junior', 'SQL,
Tableau', 'Google Data Analytics', 'linkedin.com/in/yousef', 2),
(6, 3.45, 'Rejected', 'Software Engineering', 'Senior', 'C++,
Flutter', 'Scrum Fundamentals', 'linkedin.com/in/lina', 3);
INSERT INTO Student (Student_ID, CGPA, Application_State, Major,
Academic_Level, Tech_Skills, Certification, LinkedIn_Profile,
Uni_Mentor_ID) VALUES
(1, 3.60, 'Approved', 'Cybersecurity', 'Junior', 'Network Security,
Python', 'CEH', 'linkedin.com/in/maha', 4),
(2, 3.82, 'Pending', 'AI', 'Senior', 'TensorFlow, ML', 'AI Expert
Cert', 'linkedin.com/in/tariq', 5),
```

```
(3, 3.40, 'Approved', 'Data Science', 'Senior', 'Pandas, R',
'DataCamp Cert', 'linkedin.com/in/reem', 6);
```

Student_ID	CGPA	Application_State	Major	Academic_Level	Tech_Skills	Certification	LinkedIn_Profile	Uni_Mentor_ID
1	3.60	Approved	Cybersecurity	Junior	Network Security, Python	CEH	linkedin.com/in/maha	4
2	3.82	Pending	AI	Senior	TensorFlow, ML	AI Expert Cert	linkedin.com/in/tariq	5
3	3.40	Approved	Data Science	Senior	Pandas, R	DataCamp Cert	linkedin.com/in/reem	6
4	3.75	Pending	Computer Science	Senior	Java, Python	AWS Cloud Practitioner	linkedin.com/in/nora	1
5	3.90	Approved	Information Systems	Junior	SQL, Tableau	Google Data Analytics	linkedin.com/in/yousef	2
6	3.45	Rejected	Software Engineering	Senior	C++, Flutter	Scrum Fundamentals	linkedin.com/in/lina	3
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

```
-- 1.5 create company table

CREATE TABLE Company (

    Company_Logo VARCHAR(255) PRIMARY KEY,

    Name VARCHAR(100),

    Industry VARCHAR(100),

    Website VARCHAR(255),

    Student_ID INT,

    FOREIGN KEY (Student_ID) REFERENCES Student(Student_ID)

);

-- 2.5: Insert data into Campony table
INSERT INTO Company (Company_Logo, Name, Industry, Website,
Student_ID) VALUES
('logo1.png', 'Aramco', 'Energy', 'https://aramco.com', 4),
('logo2.png', 'STC', 'Telecom', 'https://stc.com.sa', 5),
('logo3.png', 'SAPTCO', 'Transportation', 'https://saptco.com.sa',
6);
INSERT INTO Company (Company_Logo, Name, Industry, Website,
Student_ID) VALUES
('logo4.png', 'NEOM', 'Smart City', 'https://neom.com', 1),
('logo5.png', 'Mobily', 'Telecom', 'https://mobily.com.sa', 2),
('logo6.png', 'Careem', 'Tech/Transport', 'https://careem.com', 3);
```

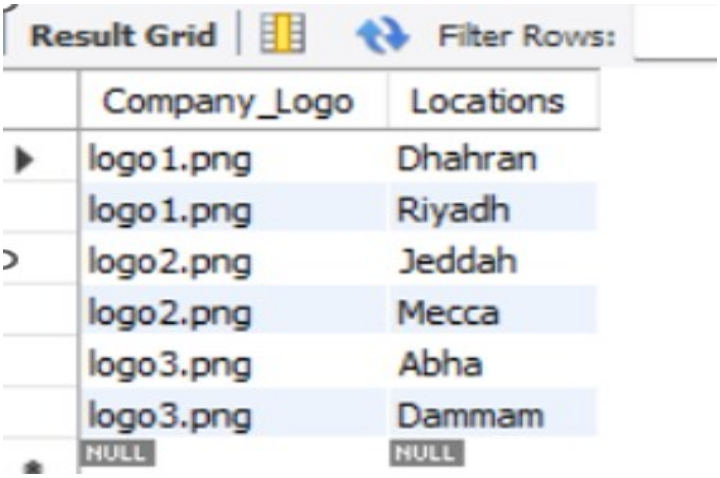
Company_Logo	Name	Industry	Website	Student_ID
logo1.png	Aramco	Energy	https://aramco.com	4
logo2.png	STC	Telecom	https://stc.com.sa	5
logo3.png	SAPTCO	Transportation	https://saptco.com.sa	6
logo4.png	NEOM	Smart City	https://neom.com	1
logo5.png	Mobily	Telecom	https://mobily.com.sa	2
logo6.png	Careem	Tech/Transport	https://careem.com	3
NULL	NULL	NULL	NULL	NULL

```sql
-- 1.6 create company_mentor
CREATE TABLE Company_Mentor (
    Company_Mentor_ID INT PRIMARY KEY,
    Company_Name VARCHAR(100),
    Assigned_Branch VARCHAR(100),
    Evaluation_Feedback TEXT,
    Company_Logo VARCHAR(255),
    Mentor_ID INT,
    FOREIGN KEY (Mentor_ID) REFERENCES Mentor(Mentor_ID),
    FOREIGN KEY (Company_Logo) REFERENCES Company(Company_Logo)
);


-- 2.6: Insert data into Campany_Mentor table
INSERT INTO Company_Mentor (Company_Mentor_ID, Company_Name,
Assigned_Branch, Evaluation_Feedback, Company_Logo, Mentor_ID)
VALUES
(1, 'Aramco', 'Dhahran', 'Excellent guidance and support.',
'logo1.png', 1),
(2, 'STC', 'Riyadh', 'Very helpful and engaging.', 'logo2.png', 2),
(3, 'SAPTCO', 'Jeddah', 'Provided valuable
experience.','logo3.png',3),
(4, 'NEOM', 'NEOM City', 'Great support
andinnovation.','logo4.png',4),
(5, 'Mobily', 'Riyadh', 'Highly responsive mentor.', 'logo5.png',5),
(6, 'Careem', 'Jeddah', 'Provided diverse projects.',
'logo6.png',6);
```

Company_Mentor_ID	Company_Name	Assigned_Branch	Evaluation_Feedback	Company_Logo	Mentor_ID
1	Aramco	Dhahran	Excellent guidance and support.	logo1.png	1
2	STC	Riyadh	Very helpful and engaging.	logo2.png	2
3	SAPTCO	Jeddah	Provided valuable experience.	logo3.png	3
4	NEOM	NEOM City	Great support and innovation.	logo4.png	4
5	Mobily	Riyadh	Highly responsive mentor.	logo5.png	5
6	Careem	Jeddah	Provided diverse projects.	logo6.png	6
NULL	NULL	NULL	NULL	NULL	NULL

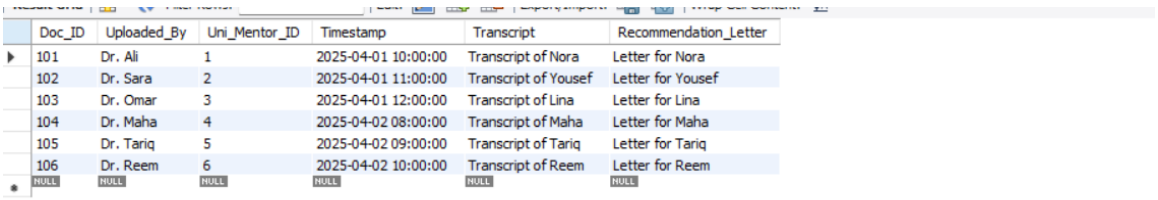
```sql
-- 1.7 create company_location
CREATE TABLE Company_Location (
    Company_Logo VARCHAR(255),
    Locations VARCHAR(255),
    PRIMARY KEY (Company_Logo, Locations),
    FOREIGN KEY (Company_Logo) REFERENCES Company(Company_Logo)
);

-- 2.7: Insert data into compony_location table
-- company location is a multivalued attribute of the company table
so we separate its table
INSERT INTO Company_ Location (Company_Logo, Locations) VALUES
```

```
('logo1.png', 'Dhahran'),
('logo1.png', 'Riyadh'),
('logo2.png', 'Jeddah'),
('logo2.png', 'Mecca'),
('logo3.png', 'Abha'),
('logo3.png', 'Dammam');
```



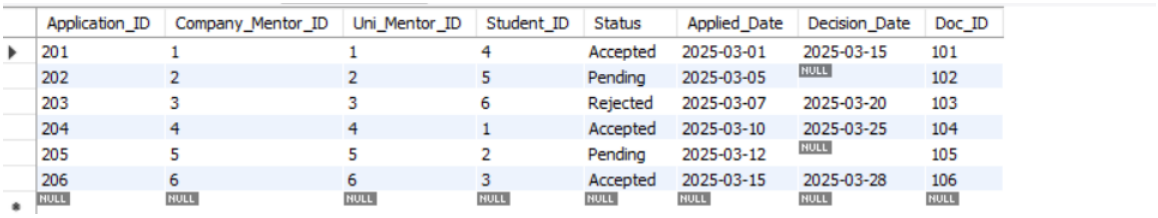
Company_Logo	Locations
logo1.png	Dhahran
logo1.png	Riyadh
logo2.png	Jeddah
logo2.png	Mecca
logo3.png	Abha
logo3.png	Dammam
NULL	NULL

```
-- 1.8 create Acadenic_docs table
CREATE TABLE Academic_Docs (
    Doc_ID INT PRIMARY KEY,
    Uploaded_By VARCHAR(100),
    Uni_Mentor_ID INT,
    Timestamp DATETIME,
    Transcript TEXT,
    Recommendation_Letter TEXT,
    FOREIGN KEY (Uni_Mentor_ID) REFERENCES Uni_Mentor(Uni_Mentor_ID)
);
-- 2.8: Insert data into Academic_Docs table
INSERT INTO Academic_Docs (Doc_ID, Uploaded_By, Uni_Mentor_ID,
Timestamp, Transcript, Recommendation_Letter) VALUES
(101, 'Dr. Ali', 1, '2025-04-01 10:00:00', 'Transcript of Nora',
'Letter for Nora'),
(102, 'Dr. Sara', 2, '2025-04-01 11:00:00', 'Transcript of Yousef',
'Letter for Yousef'),
(103, 'Dr. Omar', 3, '2025-04-01 12:00:00', 'Transcript of Lina',
'Letter for Lina');
INSERT INTO Academic_Docs (Doc_ID, Uploaded_By, Uni_Mentor_ID,
Timestamp, Transcript, Recommendation_Letter) VALUES
(104, 'Dr. Maha', 4, '2025-04-02 08:00:00', 'Transcript of Maha',
'Letter for Maha'),
(105, 'Dr. Tariq', 5, '2025-04-02 09:00:00', 'Transcript of Tariq',
'Letter for Tariq'),
(106, 'Dr. Reem', 6, '2025-04-02 10:00:00', 'Transcript of Reem',
'Letter for Reem');
```



Doc_ID	Uploaded_By	Uni_Mentor_ID	Timestamp	Transcript	Recommendation_Letter
101	Dr. Ali	1	2025-04-01 10:00:00	Transcript of Nora	Letter for Nora
102	Dr. Sara	2	2025-04-01 11:00:00	Transcript of Yousef	Letter for Yousef
103	Dr. Omar	3	2025-04-01 12:00:00	Transcript of Lina	Letter for Lina
104	Dr. Maha	4	2025-04-02 08:00:00	Transcript of Maha	Letter for Maha
105	Dr. Tariq	5	2025-04-02 09:00:00	Transcript of Tariq	Letter for Tariq
106	Dr. Reem	6	2025-04-02 10:00:00	Transcript of Reem	Letter for Reem
NULL	NULL	NULL	NULL	NULL	NULL

```sql
-- 1.9 create Internship_Application
CREATE TABLE Internship_Application (
    Application_ID INT PRIMARY KEY,
    Company_Mentor_ID INT,
    Uni_Mentor_ID INT,
    Student_ID INT,
    Status VARCHAR(50),
    Applied_Date DATE,
    Decision_Date DATE,
    Doc_ID INT,
    FOREIGN KEY (Company_Mentor_ID) REFERENCES
Company_Mentor(Company_Mentor_ID),
    FOREIGN KEY (Uni_Mentor_ID) REFERENCES
Uni_Mentor(Uni_Mentor_ID),
    FOREIGN KEY (Student_ID) REFERENCES Student(Student_ID),
    FOREIGN KEY (Doc_ID) REFERENCES Academic_Docs(Doc_ID)
);
-- 2.9: Insert data into Internship_Application table
INSERT INTO Internship_Application (Application_ID,
Company_Mentor_ID, Uni_Mentor_ID, Student_ID, Status, Applied_Date,
Decision_Date, Doc_ID) VALUES
(201, 1, 1, 4, 'Accepted', '2025-03-01', '2025-03-15', 101),
(202, 2, 2, 5, 'Pending', '2025-03-05', NULL, 102),
(203, 3, 3, 6, 'Rejected', '2025-03-07', '2025-03-20', 103),
(204, 4, 4, 1, 'Accepted', '2025-03-10', '2025-03-25', 104),
(205, 5, 5, 2, 'Pending', '2025-03-12', NULL, 105),
(206, 6, 6, 3, 'Accepted', '2025-03-15', '2025-03-28', 106);
```



Application_ID	Company_Mentor_ID	Uni_Mentor_ID	Student_ID	Status	Applied_Date	Decision_Date	Doc_ID
201	1	1	4	Accepted	2025-03-01	2025-03-15	101
202	2	2	5	Pending	2025-03-05	NULL	102
203	3	3	6	Rejected	2025-03-07	2025-03-20	103
204	4	4	1	Accepted	2025-03-10	2025-03-25	104
205	5	5	2	Pending	2025-03-12	NULL	105
206	6	6	3	Accepted	2025-03-15	2025-03-28	106
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

```sql
-- 1.10 create Has_a_Relation table
CREATE TABLE Has_a_Relation (
    Company_Logo VARCHAR(255),
    Application_ID INT,
    PRIMARY KEY (Company_Logo, Application_ID),
    FOREIGN KEY (Company_Logo) REFERENCES Company(Company_Logo),
    FOREIGN KEY (Application_ID) REFERENCES
Internship_Application(Application_ID)
);
```

```
-- 3.2: Insert data into Has_a_Relation table
INSERT INTO Has_a_Relation (Company_Logo, Application_ID) VALUES
('logo1.png', 201),
('logo2.png', 202),
('logo3.png', 203),
('logo4.png', 204),
('logo5.png', 205),
('logo6.png', 206);
```

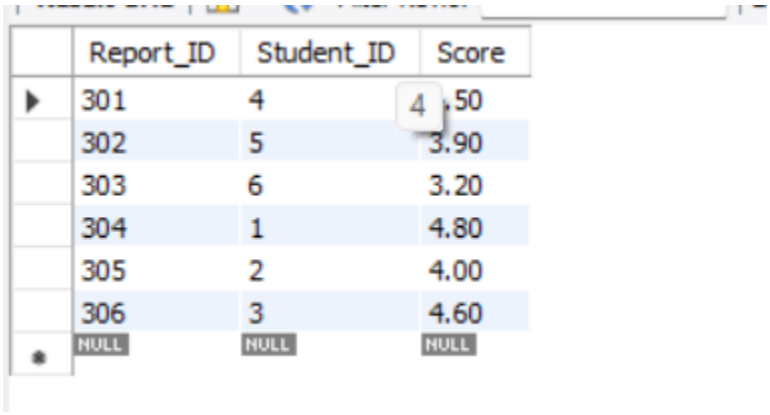
Company_Logo	Application_ID
logo1.png	201
logo2.png	202
logo3.png	203
logo4.png	204
logo5.png	205
logo6.png	206
NULL	NULL

```
-- 1.11 create Evaluation_Report table
CREATE TABLE Evaluation_Report (
    Report_ID INT PRIMARY KEY,
    Evaluation_Date DATE,
    Company_Mentor_ID INT,
    Performance_Score DECIMAL(3,2),
    Feedback TEXT,
    FOREIGN KEY (Company_Mentor_ID) REFERENCES
Company_Mentor(Company_Mentor_ID)
);
-- 2.10: Insert data into Evaluation_Report table
INSERT INTO Evaluation_Report (Report_ID, Evaluation_Date,
Company_Mentor_ID, Performance_Score, Feedback) VALUES
(301, '2025-04-10', 1, 4.5, 'Excellent performance by student.'),
(302, '2025-04-12', 2, 3.9, 'Good progress, needs improvement in
teamwork.'),
(303, '2025-04-15', 3, 3.2, 'Average skills, needs more training.'),
(304, '2025-04-17', 4, 4.8, 'Outstanding contributions and
attitude.'),
(305, '2025-04-18', 5, 4.0, 'Great learning curve observed.'),
(306, '2025-04-19', 6, 4.6, 'Well-performed in technical tasks.');
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

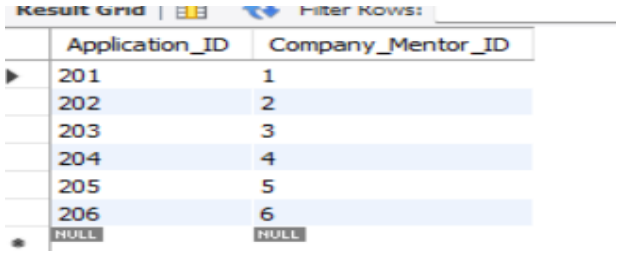
Report_ID	Evaluation_Date	Company_Mentor_ID	Performance_Score	Feedback
301	2025-04-10	1	4.50	Excellent performance by student.
302	2025-04-12	2	3.90	Good progress, needs improvement in teamwork.
303	2025-04-15	3	3.20	Average skills, needs more training.
304	2025-04-17	4	4.80	Outstanding contributions and attitude.
305	2025-04-18	5	4.00	Great learning curve observed.
306	2025-04-19	6	4.60	Well-performed in technical tasks.
NULL	NULL	NULL	NULL	NULL

```
-- 1.12 create Performance_Score table
CREATE TABLE Performance_Score (
    Report_ID INT,
    Student_ID INT,
    Score DECIMAL(3,2),
    PRIMARY KEY (Report_ID, Student_ID),
    FOREIGN KEY (Report_ID) REFERENCES Evaluation_Report(Report_ID),
    FOREIGN KEY (Student_ID) REFERENCES Student(Student_ID)
);
-- 2.11: Insert data into
Performance_Score table
INSERT INTO Performance_Score
(Report_ID, Student_ID, Score)
VALUES
(301, 4, 4.5),
(302, 5, 3.9),
(303, 6, 3.2),
(304, 1, 4.8),
(305, 2, 4.0),
(306, 3, 4.6);
```



Report_ID	Student_ID	Score
301	4	4.50
302	5	3.90
303	6	3.20
304	1	4.80
305	2	4.00
306	3	4.60
NULL	NULL	NULL

```
 -- 1.13 create Application_Company_Mentor table
CREATE TABLE Application_Company_Mentor (
    Application_ID INT,
    Company_Mentor_ID INT,
    PRIMARY KEY (Application_ID, Company_Mentor_ID),
    FOREIGN KEY (Application_ID) REFERENCES
Internship_Application(Application_ID),
    FOREIGN KEY (Company_Mentor_ID) REFERENCES
Company_Mentor(Company_Mentor_ID)
);

-- 3.1: Insert data into Application_Company_Mentor table(junction
table)
INSERT INTO Application_Company_Mentor(Application_ID,
Company_Mentor_ID) VALUES
(201, 1),
(202, 2),
(203, 3),
(204, 4),
(205, 5),
(206, 6);
```



Application_ID	Company_Mentor_ID
201	1
202	2
203	3
204	4
205	5
206	6
NULL	NULL

```sql
-- sec 4: select the tables
//we use the select to show the previous inserted tables
SELECT * FROM User;
SELECT * FROM Mentor;
SELECT * FROM Uni_Mentor;
SELECT * FROM Student;
SELECT * FROM Company;
SELECT * FROM Company_Mentor;
SELECT * FROM Company_Location;
SELECT * FROM Academic_Docs;
SELECT * FROM Internship_Application;
SELECT * FROM Has_a_Relation;
SELECT * FROM Evaluation_Report;
SELECT * FROM Performance_Score;
SELECT * FROM Application_Company_Mentor;
```