

```
CREATE DATABASE ewu_student_portal;
```

```
-- USERS TABLE
```

```
CREATE TABLE users (
```

```
    user_id INT AUTO_INCREMENT PRIMARY KEY,
```

```
    username VARCHAR(50) UNIQUE NOT NULL,
```

```
    password VARCHAR(255) NOT NULL,
```

```
    role ENUM('student','faculty') NOT NULL
```

```
);
```

```
-- STUDENTS TABLE
```

```
CREATE TABLE students (
```

```
    student_id INT AUTO_INCREMENT PRIMARY KEY,
```

```
    user_id INT,
```

```
    name VARCHAR(100),
```

```
    email VARCHAR(100),
```

```
    department VARCHAR(50),
```

```
    semester INT,
```

```
    FOREIGN KEY (user_id) REFERENCES users(user_id)
```

```
);
```

```
-- FACULTY TABLE
```

```
CREATE TABLE faculties (
```

```
    faculty_id INT AUTO_INCREMENT PRIMARY KEY,
```

```
    user_id INT,
```

```
    name VARCHAR(100),
```

```
    email VARCHAR(100),
```

```
department VARCHAR(50),  
FOREIGN KEY (user_id) REFERENCES users(user_id)  
);
```

-- COURSES TABLE

```
CREATE TABLE courses (  
    course_id INT AUTO_INCREMENT PRIMARY KEY,  
    course_name VARCHAR(100),  
    credit INT,  
    faculty_id INT,  
    FOREIGN KEY (faculty_id) REFERENCES faculties(faculty_id)  
);
```

-- RESULTS TABLE

```
CREATE TABLE results (  
    result_id INT AUTO_INCREMENT PRIMARY KEY,  
    student_id INT,  
    course_id INT,  
    grade VARCHAR(5),  
    marks INT,  
    FOREIGN KEY (student_id) REFERENCES students(student_id),  
    FOREIGN KEY (course_id) REFERENCES courses(course_id)  
);
```

-- FEES TABLE

```
CREATE TABLE fees (  

```

```
fee_id INT AUTO_INCREMENT PRIMARY KEY,  
student_id INT,  
amount DECIMAL(10,2),  
status ENUM('paid','pending'),  
due_date DATE,  
FOREIGN KEY (student_id) REFERENCES students(student_id)  
);
```

```
-----  
-- INSERT FACULTY  
-----
```

```
INSERT INTO users (username, password, role)  
VALUES ('faculty1', MD5('fac123'), 'faculty');
```

```
INSERT INTO faculties (user_id,name,email,department)  
VALUES (1,'Dr. Rahman','rahman@uni.edu','CSE');
```

```
-----  
-- INSERT STUDENTS (ALL CSE)  
-----
```

```
INSERT INTO users (username, password, role) VALUES  
( 'murad', MD5('murad123'), 'student'),  
( 'tomal', MD5('tomal123'), 'student'),  
( 'shihab', MD5('shihab123'), 'student');
```

```
INSERT INTO students (user_id,name,email,department,semester) VALUES
(2,'Mohammad Murad','murad@student.edu','CSE',5),
(3,'Tomal Hossain','tomal@student.edu','CSE',4),
(4,'Shihab Uddin','shihab@student.edu','CSE',2);
```

-----

```
-- INSERT COURSES (ALL UNDER CSE)
```

-----

```
INSERT INTO courses (course_name, credit, faculty_id) VALUES
('Database Systems', 3, 1),
('Object Oriented Programming', 3, 1),
('Computer Networks', 3, 1),
('Artificial Intelligence', 3, 1);
```

-----

```
-- INSERT RESULTS
```

-----

```
-- Murad Results
```

```
INSERT INTO results (student_id, course_id, grade, marks) VALUES
(1, 1, 'A', 88), -- DB
(1, 2, 'A-', 82), -- OOP
(1, 3, 'B+', 78), -- Networks
(1, 4, 'A', 90); -- AI
```

-- Tomal Results

INSERT INTO results (student\_id, course\_id, grade, marks) VALUES

(2, 1, 'B+', 76),

(2, 2, 'B', 72),

(2, 3, 'B-', 68),

(2, 4, 'A-', 80);

-- Shihab Results

INSERT INTO results (student\_id, course\_id, grade, marks) VALUES

(3, 1, 'A-', 81),

(3, 2, 'B+', 75),

(3, 3, 'C+', 65),

(3, 4, 'B', 70);

-----

-- INSERT FEES

-----

INSERT INTO fees (student\_id, amount, status, due\_date) VALUES

(1, 20000, 'paid', '2025-09-01'), -- Murad

(2, 18000, 'pending', '2025-09-15'),-- Tomal

(3, 15000, 'paid', '2025-09-10'); -- Shihab

ER diagram:

