Project: ACADEMIC EASE   
GROUP PARTNERS: MEHAK HUSSAIN (BAI-23S-079)

**Administration Table:**

**Insert an Administrator:**EXEC [dbo].[insertAdministator] 'Admin2', 'Password2'

**Retrieve all Administrators:**SELECT \* FROM [dbo].[administrator]

**Retrieve Administrator by ID:**SELECT \* FROM [dbo].[administrator] WHERE ad\_id = 1

**Update Administrator Password:**UPDATE [dbo].[administrator] SET ad\_password = 'NewPassword' WHERE ad\_id = 1

**Delete Administrator by ID:**DELETE FROM [dbo].[administrator] WHERE ad\_id = 2

**Count of Administrators:**SELECT COUNT(\*) as 'Total Administrators' FROM [dbo].[administrator]

**List Administrators with Passwords:**SELECT ad\_name, ad\_password FROM [dbo].[administrator]

**Administrators with Name Starting with 'A':**SELECT \* FROM [dbo].[administrator] WHERE ad\_name LIKE 'A%'

### Student Table

**Insert a Student:**EXEC [dbo].[insertStudent] 'Student2', 'Father2', 'Female', 'Address2', '2023-02-01', 1

**Retrieve all Students:**SELECT \* FROM [dbo].[Student]

**Retrieve Student by ID:**SELECT \* FROM [dbo].[Student] WHERE st\_id = 1

**Update Student Information:**EXEC [dbo].[UpdateStudent] 1, 'UpdatedStudentName', 'UpdatedFatherName', 'Male', 'UpdatedAddress'

**Delete Student by ID:**EXEC [dbo].[DELETEStudent] 2

**Count of Male and Female Students:**SELECT st\_gender, COUNT(\*) as 'Count' FROM [dbo].[Student] GROUP BY st\_gender

**Students with Admission Date After '2023-01-15':**SELECT \* FROM [dbo].[Student] WHERE st\_admisiondate > '2023-01-15'

**Students with Administrators and Admission Dates:**SELECT s.\*, a.ad\_name as 'Administrator' FROM [dbo].[Student] s LEFT JOIN [dbo].[administrator] a ON s.st\_AdministatorId = a.ad\_id WHERE s.st\_AdministatorId IS NOT NULL

### Fees Table (Assuming there is a Fees table)

**Insert a Fee Record:**EXEC [dbo].[Insert Fee] 150.00, '2023-02-01', 1

**Retrieve all Fees:**SELECT \* FROM [dbo].[Fees]

**Retrieve Fees for a Student:**SELECT \* FROM [dbo].[Fees] WHERE fee\_fkStdId = 1

**Total Fee Amount Collected:**SELECT SUM(fee amount) as 'Total Fees Collected' FROM [dbo].[Fees]

**Fees Paid by Student with ID 1:**SELECT \* FROM [dbo].[Fees] WHERE fee\_fkStdId = 1

**Latest Fee Records:**SELECT TOP 5 \* FROM [dbo].[Fees] ORDER BY fee date DESC

**Average Fee Amount:**SELECT AVG(fee amount) as 'Average Fee Amount' FROM [dbo].[Fees]

### Additional Queries:

**Get all Students with Administrators:**SELECT s.\*, a.ad\_name as 'Administrator' FROM [dbo].[Student] s LEFT JOIN [dbo].[administrator] a ON s.st\_AdministatorId = a.ad\_id

**Get all Students with Admission Dates:**SELECT st\_name, st\_admisiondate FROM [dbo].[Student]

**Get all Students with Address and Gender:**SELECT st\_name, st\_address, st\_gender FROM [dbo].[Student]

**Count of Students by Gender:**SELECT st\_gender, COUNT(\*) as 'Count' FROM [dbo].[Student] GROUP BY st\_gender

**Students without Administrators:**SELECT \* FROM [dbo].[Student] WHERE st\_AdministatorId IS NULL

**Total Number of Students:**SELECT COUNT(\*) as 'Total Students' FROM [dbo].[Student]

**Retrieve all Stored Procedures:**SELECT name FROM sys.procedures WHERE schema\_id = SCHEMA\_ID('dbo')