Advance SQL

Stored Procedure for employee

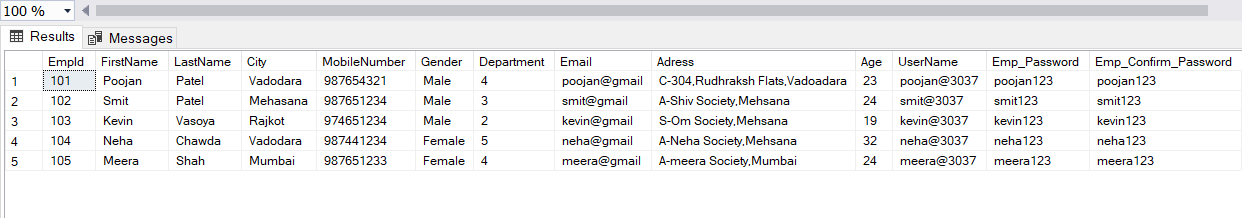
-- Select all employee

CREATE PROCEDURE SelectAllEmployee

AS

SELECT \* FROM poojan\_employee;

EXEC SelectAllEmployee;



--Insert new record

CREATE PROCEDURE newEmployeeInsert\_Poojan

@empid INT,

@fname VARCHAR(15),

@lname VARCHAR(15),

@city VARCHAR(20),

@number INT ,

@gender VARCHAR(7) ,

@department INT ,

@email VARCHAR(15) ,

@adress VARCHAR(100) ,

@age INT,

@userName VARCHAR(15) ,

@emp\_Password VARCHAR(10) ,

@emp\_Confirm\_Password VARCHAR(10)

As

BEGIN

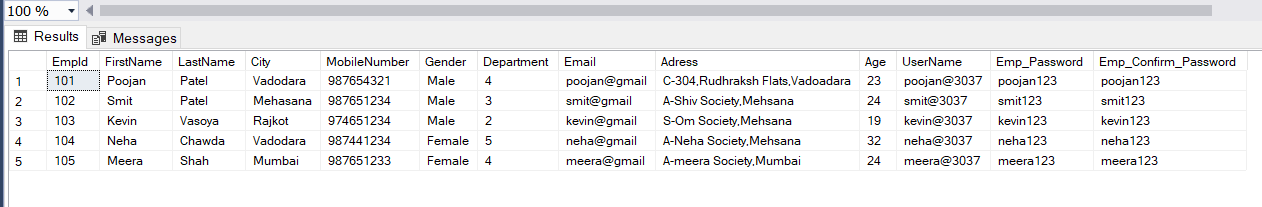
INSERT INTO poojan\_employee(EmpId, FirstName, LastName, City, MobileNumber, Gender, Department, Email, Adress, Age, UserName, Emp\_Password, Emp\_Confirm\_Password)

VALUES(@empid,@fname,@lname,@city,@number,@gender,@department,@email,@adress,@age,@userName,@emp\_Password,@emp\_Confirm\_Password)

END

GO

EXEC newEmployeeInsert\_Poojan 105,'Meera','shah','Surat',1,'female',5,'meera@3037','C-101,Shiv Flats',21,'meera3037','1234','1234';



--update employee

CREATE PROCEDURE updateEmployee\_Poojan

@number INT,

@id INT

AS

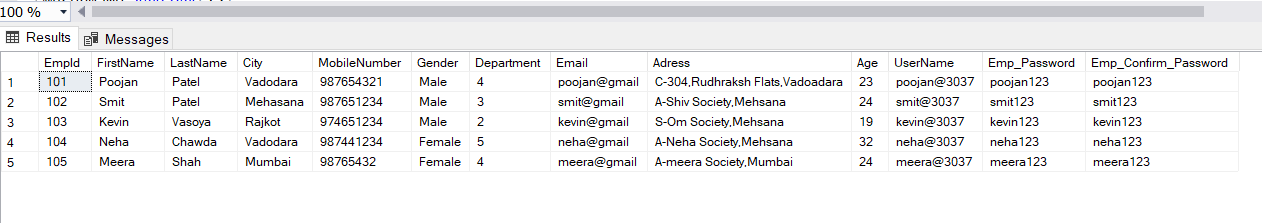
BEGIN

UPDATE poojan\_employee SET MobileNumber=@number WHERE EmpId=@id

END

go

EXEC updateEmployee\_Poojan @id=105,@number=98765432



--delete employee

CREATE PROCEDURE deleteEmployee\_Poojan

@id INT

AS

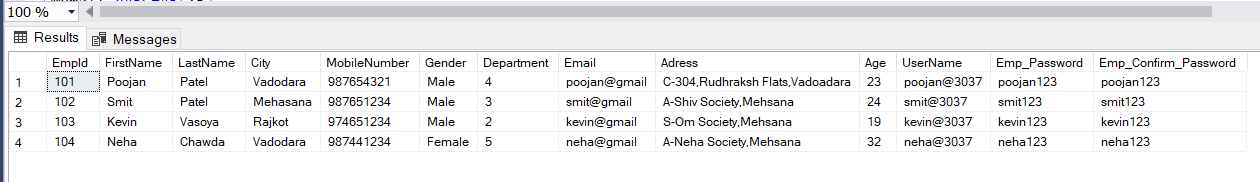
BEGIN

DELETE FROM poojan\_employee WHERE EmpID=@id;

END

GO

EXEC deleteEmployee\_Poojan @id=105;



Stored Procedure for department

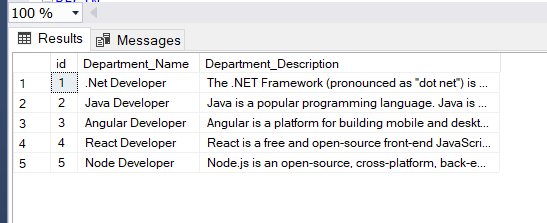
---- Select all data of Department

CREATE PROCEDURE selectAllDeaprtmentPoojan

AS

SELECT \* FROM poojan\_Department;

EXEC selectAllDeaprtmentPoojan;



--Insert new record

CREATE PROCEDURE newDepartmentPoojan

@id INT,

@dname VARCHAR(20) ,

@dDescription VARCHAR(200)

As

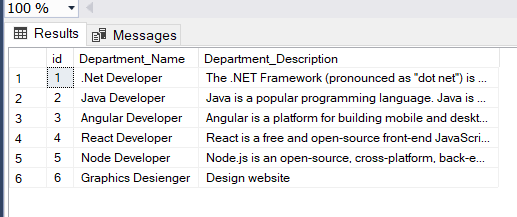
BEGIN

INSERT INTO poojan\_Department VALUES (@id,@dname,@dDescription)

END

GO

EXEC newDepartmentPoojan 6,'Graphics Desienger','Design website'



--update department

CREATE PROCEDURE updateDepartment\_Poojan

@id INT,

@dname VARCHAR(20)

AS

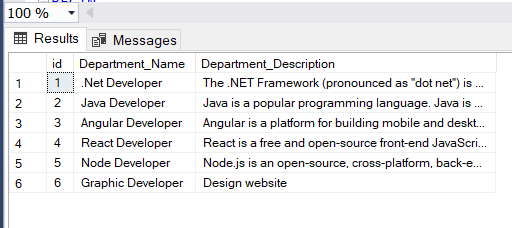
BEGIN

UPDATE poojan\_Department SET Department\_Name=@dname WHERE id=@id

END

go

EXEC updateDepartment\_Poojan @id=6,@dname='Graphic Developer'



--delete department

CREATE PROCEDURE deleteDpartmentPoojan

@id INT

AS

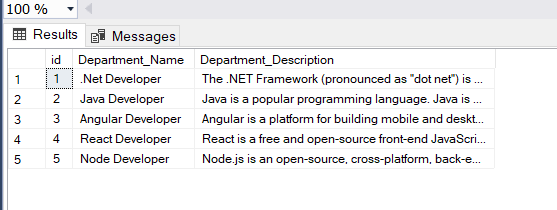
BEGIN

DELETE FROM poojan\_Department WHERE id=@id

END

GO

EXEC deleteDpartmentPoojan 6



Stored Procedure for Exam

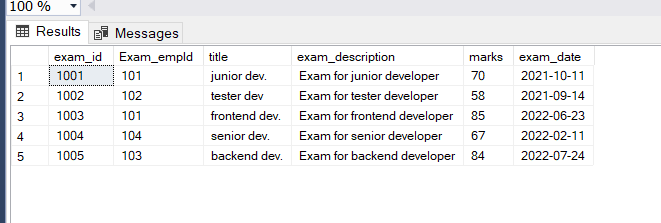
---- Select all data of Exam

CREATE PROCEDURE selectAllExamPoojan

AS

SELECT \* FROM poojan\_exam;

EXEC selectAllExamPoojan;



--Insert new record

CREATE PROCEDURE newExamPoojan

@id INT,

@exam\_empId INT,

@title VARCHAR(15),

@exam\_description VARCHAR(100),

@marks INT,

@exam\_date DATE

As

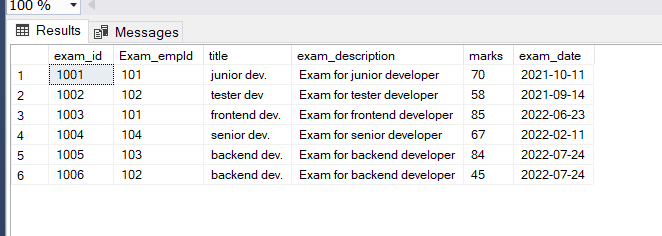
BEGIN

INSERT INTO poojan\_exam VALUES (@id,@exam\_empId,@title,@exam\_description,@marks,@exam\_date)

END

GO

EXEC newExamPoojan 1006,102,'backend dev.','Exam for backend developer',45,'2022-07-24'



--update Exam

CREATE PROCEDURE updateExam\_Poojan

@id INT,

@marks INT

AS

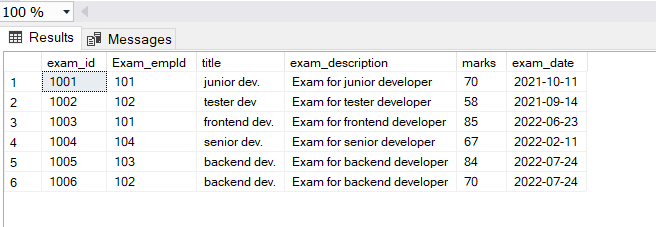
BEGIN

UPDATE poojan\_exam SET marks=@marks WHERE exam\_id=@id

END

go

EXEC updateExam\_Poojan @id=1006,@marks=70



--delete Exam

CREATE PROCEDURE deleteExamPoojan

@id INT

AS

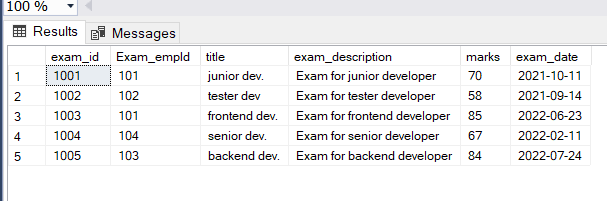
BEGIN

DELETE FROM poojan\_exam WHERE exam\_id=@id

END

GO

EXEC deleteExamPoojan 1006

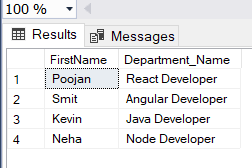


INNER JOINS

SELECT poojan\_employee.FirstName,poojan\_Department.Department\_Name

FROM poojan\_employee

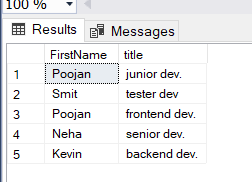
INNER JOIN poojan\_Department ON poojan\_employee.Department = poojan\_Department.id;



SELECT poojan\_employee.FirstName,poojan\_exam.title

FROM poojan\_employee

INNER JOIN poojan\_exam ON poojan\_employee.EmpId = poojan\_exam.Exam\_empId;

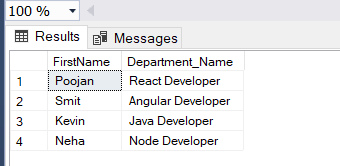


Left Join

SELECT poojan\_employee.FirstName,poojan\_Department.Department\_Name

FROM poojan\_employee

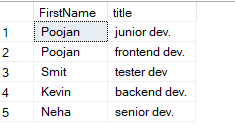
LEFT JOIN poojan\_Department ON poojan\_employee.Department = poojan\_Department.id;



SELECT poojan\_employee.FirstName,poojan\_exam.title

FROM poojan\_employee

Left JOIN poojan\_exam ON poojan\_employee.EmpId = poojan\_exam.Exam\_empId;

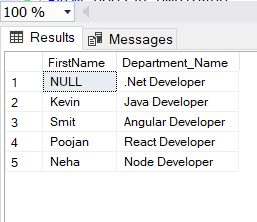


Right Join

SELECT poojan\_employee.FirstName,poojan\_Department.Department\_Name

FROM poojan\_employee

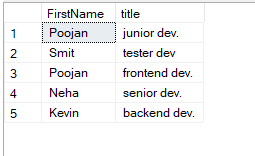
RIGHT JOIN poojan\_Department ON poojan\_employee.Department = poojan\_Department.id;



SELECT poojan\_employee.FirstName,poojan\_exam.title

FROM poojan\_employee

RIGHT JOIN poojan\_exam ON poojan\_employee.EmpId = poojan\_exam.Exam\_empId;

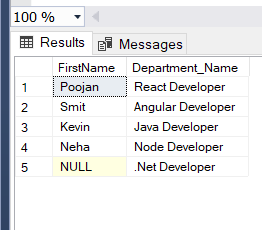


Full Join

SELECT poojan\_employee.FirstName,poojan\_Department.Department\_Name

FROM poojan\_employee

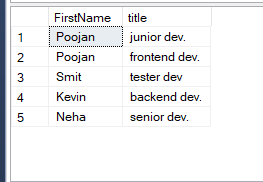
FULL JOIN poojan\_Department ON poojan\_employee.Department = poojan\_Department.id;



SELECT poojan\_employee.FirstName,poojan\_exam.title

FROM poojan\_employee

FULL JOIN poojan\_exam ON poojan\_employee.EmpId = poojan\_exam.Exam\_empId;



Trigger

-- trigger

CREATE TRIGGER poojan\_Trigger

ON poojan\_exam

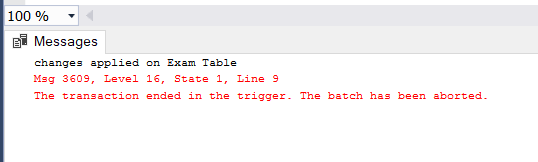
FOR

INSERT,UPDATE,DELETE

AS

PRINT'changes applied on Exam Table'

ROLLBACK;



View

--view

CREATE VIEW [Employee Details] AS

SELECT FirstName,LastName,City

FROM poojan\_employee

WHERE City = 'Vadodara';

SELECT \* FROM [Employee Details];

