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How to Invoke a Stored procedure in WEBAPI using Code First

Problem Statement

In Continuation to the previous Labguide 2nd problem statement “Create Stored procedure in WebAPI CORE -EFCORE using Code First”. Invoke the storedprocedure in the WebAPI Controller.

Solution

First Complete the LabGuide 2nd Problem statement “Create Stored procedure in WebAPI CORE - EFCORE using Code First” and then continue with the following steps

How to invoke a stored procedure in WebAPI using Code First

Step1:

Create a class EmployeeDto2 in Models folder

Step2:

Add properties to the class EmployeeDto2 . properties should be same as the columns of your join in stored procedure

```
public class EmployeeDto2
{
    [Key]
    public int EmployeeId { get; set; }
    public string EmpName { get; set; }
    public string Designation { get; set; }
    public string DeptName { get; set; }
    public string Location { get; set; }
}
```

2. Add primary key to the class

3. Register this class in DbContext class

```
public DbSet<EmployeeDto2> EmployeesDto2 { get; set; }
```

4. build

5. add-migration AddingNewTable

6. update-database

7. Call the storedprocedure in your Employees controller

```
[HttpGet("Join")]
```

```
public async Task<ActionResult<IEnumerable<EmployeeDto2>>> GetEmployeesDepartment()
{
    // Call your stored procedure using FromSqlRaw method
    var result = await _context.EmployeesDto2.FromSqlRaw("EXEC spGetEmployeeDepartment").ToListAsync();
    return Ok(result);
}
```

8. build

9. Execute

10. in the swagger under the Employees Controller , execute GET /api/Employees/Join

