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eT3 - Internship 2022 - Task

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Backend Task

1. Simple Coffee Shop System

- I) Two Types of Users: Admin, Cashier
- II) Customer can order coffee from the main menu by selecting the coffee drinks and size, that process done throw the Cashier.
- III) There Four Entity: Products, Staff, Order, Order Items

2. Admin Interface

- I) Simple Admin Panel in ASP.NET Core MVC (.NET 6).
- II) Use: Entity Framework Core (SQL provider), Repository Pattern, ASP.NET Identity.
- III) To Run a Solution:
 - a. Install .NET 6 SDK
 - b. Install Visual Studio
 - c. Download [Github Repo](#) and run it on Visual Studio
- IV) Only Admin User Can Explore Products form and Orders
 - a. Should be login first
 - a. When System build, that create an Admin
 - Email:** Admin@CoffeeShop.com
 - Password:** Admin123*

Database Task

Write [SQL Queries](#) (TSQL) with MS SQL Server

1. Which drink has the highest calories from the dataset?

```
SELECT Beverage, Calories
FROM [dbo].[drinkMenu]
WHERE Calories = (SELECT MAX(Calories) FROM [dbo].[drinkMenu])
Order by Beverage;
```
2. What is the average calorie amount for each drink category?

```
SELECT Beverage_category, AVG(Calories) 'Average Calories'
FROM [dbo].[drinkMenu]
GROUP BY Beverage_category
Order BY Beverage_category;
```
3. Which drinks have below average calorie amount?

```
SELECT Beverage, Calories
FROM [dbo].[drinkMenu]
WHERE Calories < (SELECT AVG(Calories) FROM[dbo].[drinkMenu])
```

ORDER BY Beverage;