Employee Payroll System

Description:

The Employee Payroll System is a C# Console Application that calculates employee salaries based on their roles using Object-Oriented Programming (OOP) principles. It stores employee details, calculates salaries, and displays employee information.

Prerequisites:

- Visual Studio 2022
- .NET Core SDK 6.0
- SQL Server LocalDB

Usage:

Run the Application:

Start the application and follow the menu prompts to add employees, display details, and calculate salaries.

Menu Options:

1. Add New Employee: Enter employee details to add a new employee to the system.

2. Display All Employee View a list of all employees and their information.

3. Calculate and Display Salaries: Calculate and display the salaries of individual employees.

4. Calculate and Display Total Payroll: Calculate and display the total payroll for all employees.

5. Exit: Exit the application.

```
Employee Payroll System
1. Add New Employee
2. Display All Employees
3. Calculate and Display Salary
4. Calculate and Display Total Payroll
5. Exit
Select an option:
```

1. Add New Employee: Enter employee details to add a new employee to the system.

```
Add New Employee
Name: Archana
ID: 125896
Role (Manager/Developer/Intern): Developer
Basic Pay: 18500
Allowances: 2500
Deductions: 500
Employee data added successfully.
Press any key to continue...
```

2. Display All Employee View a list of all employees and their information.

```
Employee Details:
Name: Aswathy, ID: 100887, Role: Manager, Salary: 15900.00
Name: Theertha, ID: 101124, Role: Intern, Salary: 9900.00
Name: Archana, ID: 125896, Role: Developer, Salary: 20500.00
Press any key to continue...
```

3. **Calculate and Display Salaries**: Calculate and display the salaries of individual employees.

```
C:\Users\100887\Desktop\Technuerons\Employee_PayrollSystem\Employee_PayrollSystem\bin\Debug\net6.0\Employee_PayrollSystem.exe
Enter Employee ID: 101124
Salary for Theertha (Intern): 9900.00
Press any key to continue...
```

4. **Calculate and Display Total Payroll**: Calculate and display the total payroll for all employees.

```
C:\Users\100887\Desktop\Technuerons\Employee_PayrollSystem\Employee_PayrollSystem\bin\Debug\net6.0\Employee_PayrollSystem.exe
Total Payroll: 46300.00
Press any key to continue...
```

Database :Db_payroll
Tables used:Employees:
Table Structure

Name	Datatype	Allownulls		
Emp_id	int	NO	PRIMARY KEY	
Emp_Name	nvarchar(100)	YES		
Role	nvarchar(100)	YES		
BasicPay	decimal(10,2)	YES		
Allowances	decimal(10,2)	YES		
Deduction	decimal(10,2)	YES		