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LAB 4.1

The image displays two screenshots of a Visual Studio IDE showing C# code for a project named LAB - 4. The first screenshot shows the `Program.cs` file with the `Employee` class. The second screenshot shows the `Program.cs` file with the `SalesPerson` class inheriting from `Employee`.

First Screenshot: Employee Class

```
using System;

// Base class Employee
class Employee
{
    // Fields
    private string name;
    private decimal salary;
    private decimal bonus;

    // Properties
    public string Name { get { return name; } }
    public decimal Salary { get { return salary; } }

    // Constructor
    public Employee(string name, decimal salary)
    {
        this.name = name;
        this.salary = salary;
    }

    // Virtual method to set bonus
    public virtual void SetBonus(decimal bonus)
    {
        this.bonus = bonus;
    }

    // Method to calculate total payment
    public decimal TotalPayment()
    {
        return salary + bonus;
    }
}
```

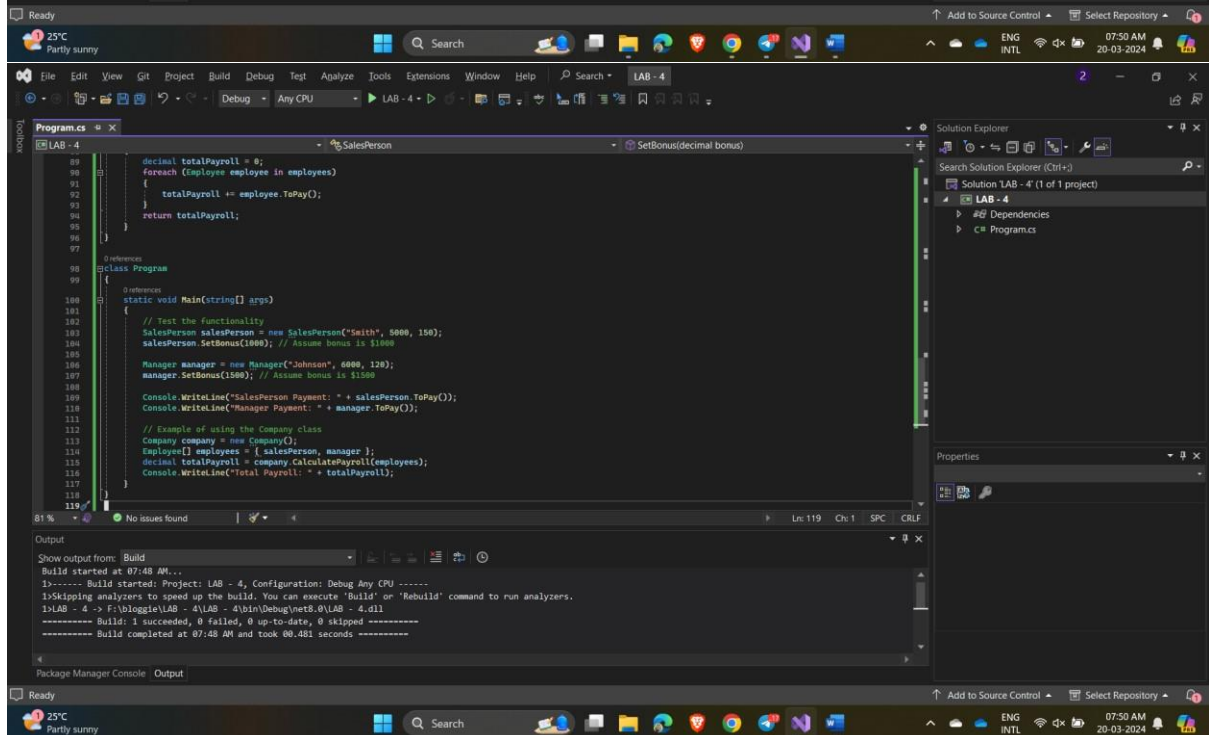
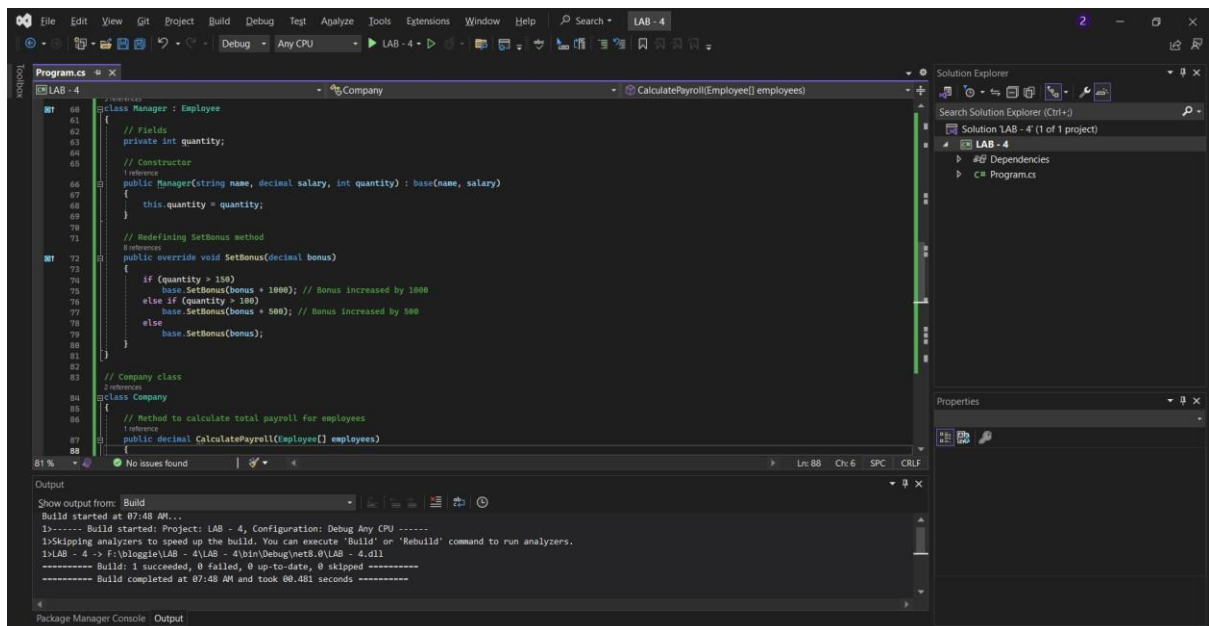
Second Screenshot: SalesPerson Class

```
// Method to calculate total payment
public decimal TotalPayment()
{
    return salary + bonus;
}

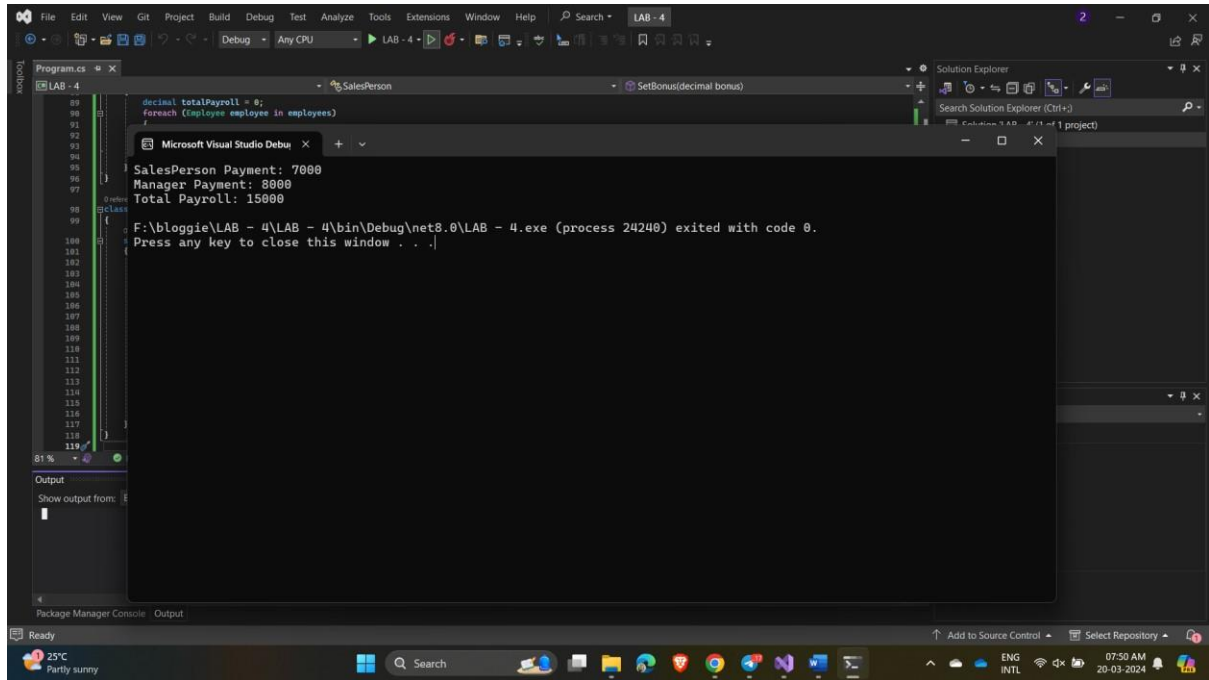
// SalesPerson class inheriting from Employee
class SalesPerson : Employee
{
    // Fields
    private int percent;

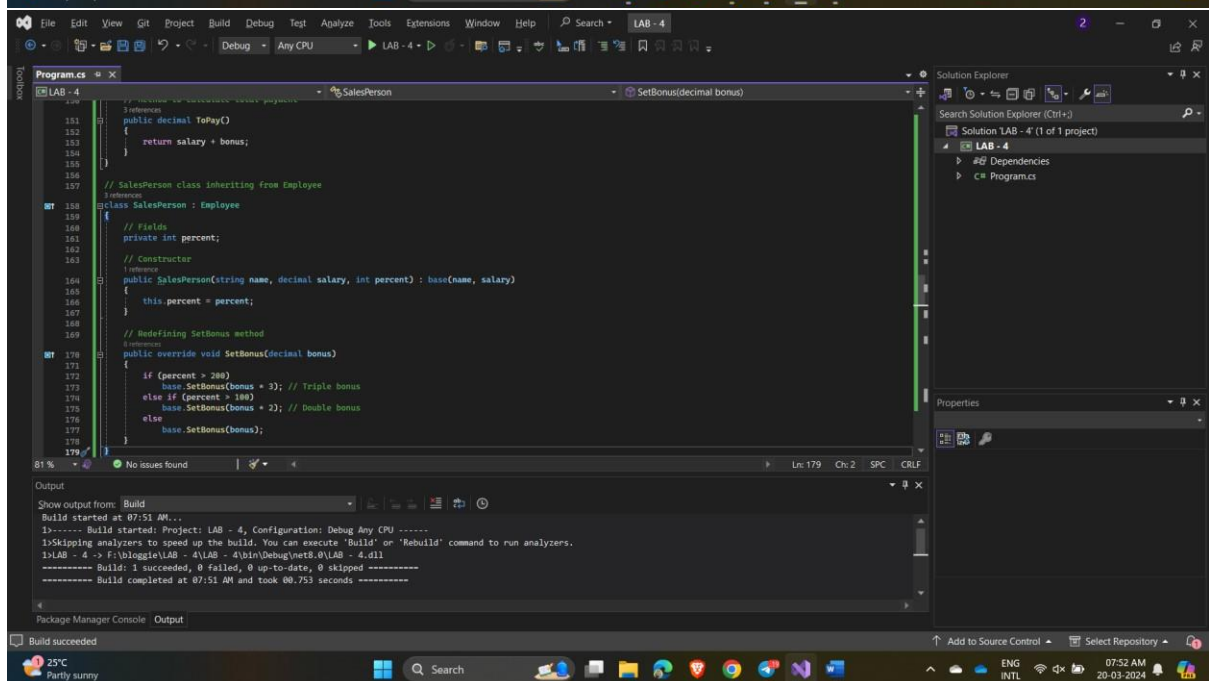
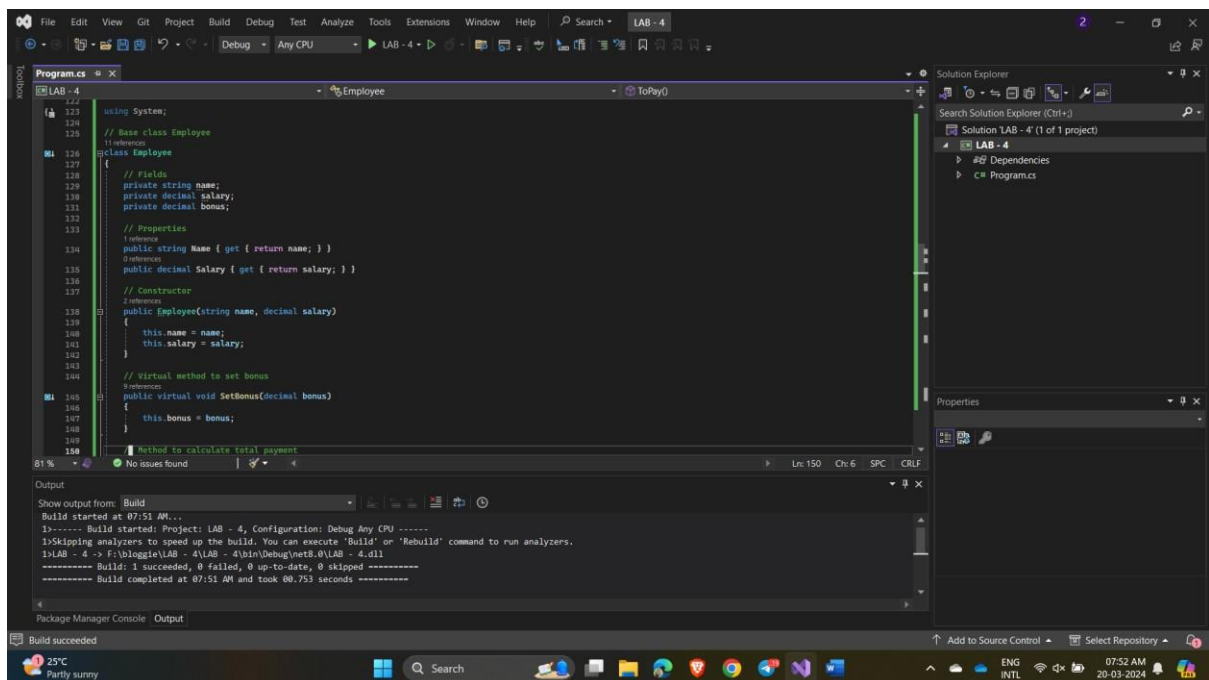
    // Constructor
    public SalesPerson(string name, decimal salary, int percent) : base(name, salary)
    {
        this.percent = percent;
    }

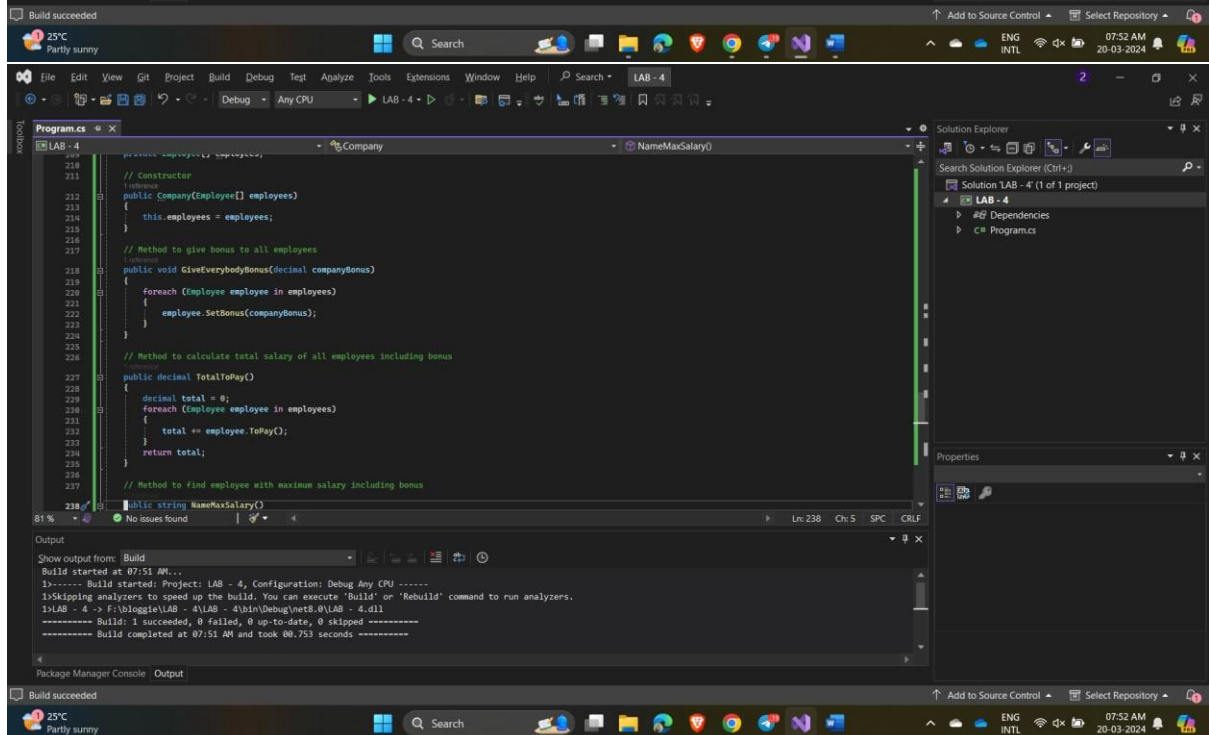
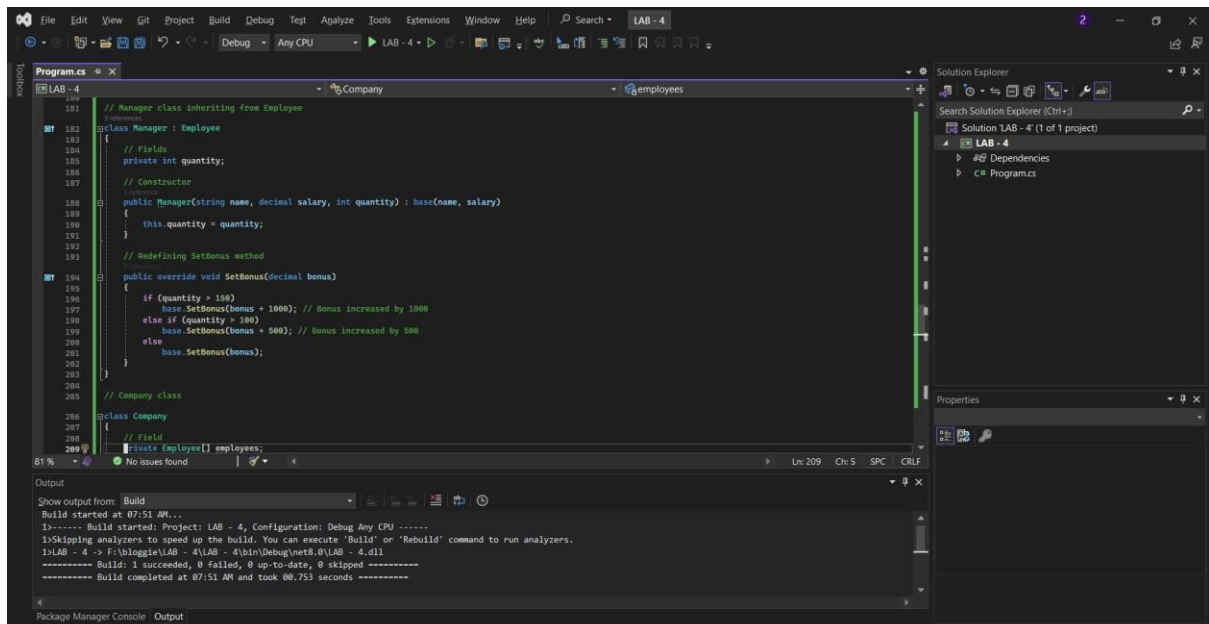
    // Redefining SetBonus method
    public override void SetBonus(decimal bonus)
    {
        if (percent > 200)
            base.SetBonus(bonus * 3); // Triple bonus
        else if (percent > 100)
            base.SetBonus(bonus * 2); // Double bonus
        else
            base.SetBonus(bonus);
    }
}
```

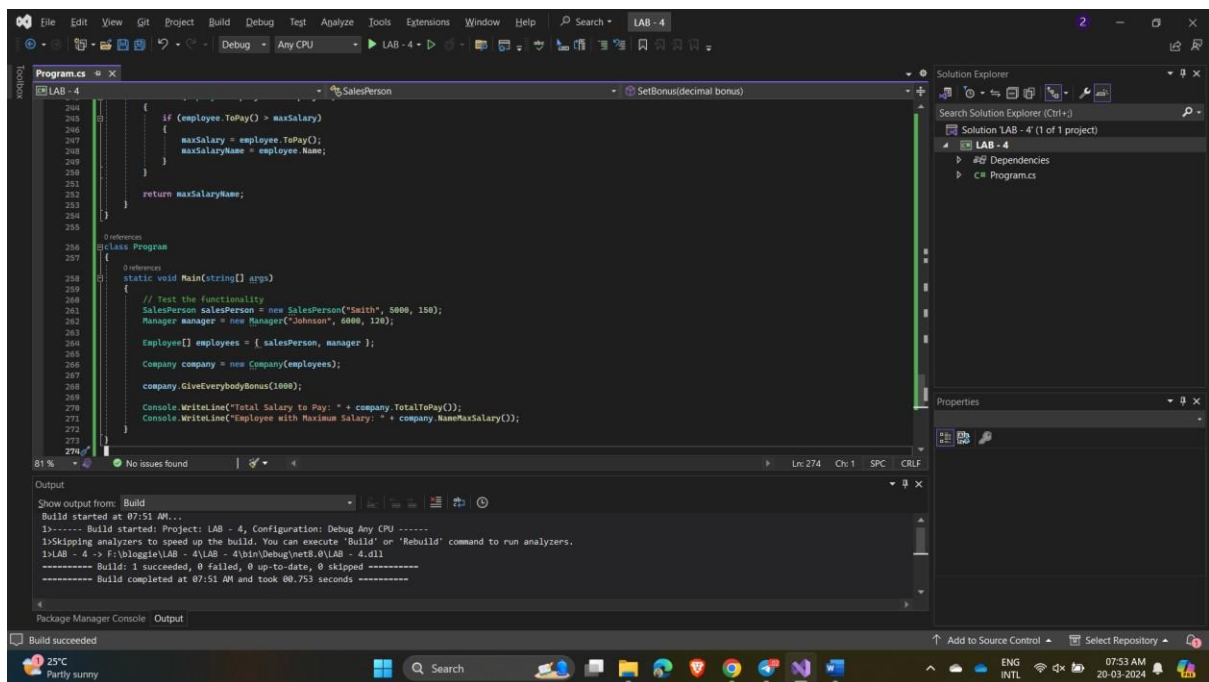
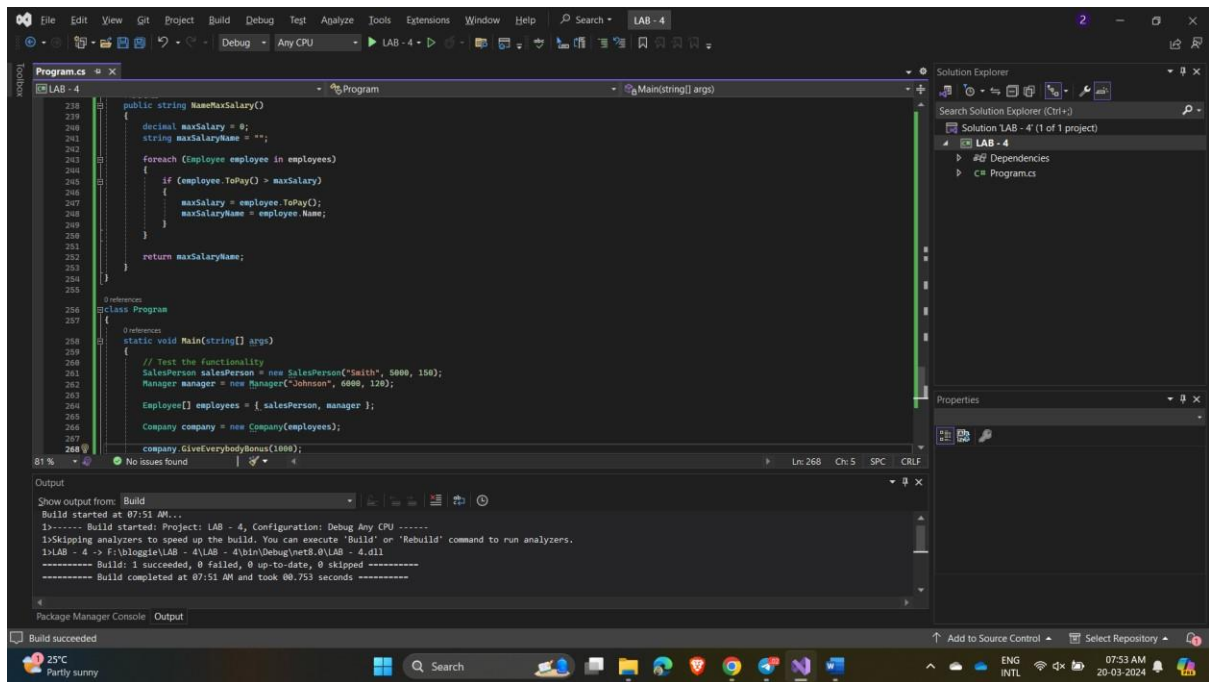


OUTPUT :









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