WEEK 1 REPORT

```
PS C:\Users\KIIT\OneDrive\Desktop\dn\ProductSearchApp> cd "C:\Users\KIIT\OneDrive\Desktop\dn\ProductSearchApp"
PS C:\Users\KIIT\OneDrive\Desktop\dn\ProductSearchApp> dotnet run
C:\Users\KIIT\OneDrive\Desktop\dn\ProductSearchApp\Program.cs(58,16): warning CS8603: Possible null reference return.
C:\Users\KIIT\OneDrive\Desktop\dn\ProductSearchApp\Program.cs(77,16): warning CS8603: Possible null reference return.
Running Linear Search:
Product(ID: 150, Name: 'Keyboard', Category: 'Electronics')

Running Binary Search:
Product(ID: 150, Name: 'Keyboard', Category: 'Electronics')
PS C:\Users\KIIT\OneDrive\Desktop\dn\ProductSearchApp> []
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS   powershell

```
PS C:\Users\KIIT\OneDrive\Desktop\dn\FinancialForecastApp> cd "C:\Users\KIIT\OneDrive\Desktop\dn\FinancialForecastApp"
PS C:\Users\KIIT\OneDrive\Desktop\dn\FinancialForecastApp> dotnet run
Enter the initial amount: 10000
Enter the annual growth rate (in %): 9
Enter the number of years to forecast: 7

Future value after 7 years: ₹ 18,280.39
PS C:\Users\KIIT\OneDrive\Desktop\dn\FinancialForecastApp> █
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS   >_ Code + ∨ ⊔ 🗑 ⋯ ∧ :

```
PS C:\Users\KIIT\OneDrive\Desktop\dn> cd "C:\Users\KIIT\OneDrive\Desktop\dn\SingletonPatternExample"
PS C:\Users\KIIT\OneDrive\Desktop\dn\SingletonPatternExample> dotnet run
C:\Users\KIIT\OneDrive\Desktop\dn\SingletonPatternExample\Logger.cs(5,27): warning CS8618: Non-nullable field '_instance' must
ontain a non-null value when exiting constructor. Consider adding the 'required' modifier or declaring the field as nullable.
Logger initialized.
[LOG]: This is the first log message.
[LOG]: This is the second log message.
Are both logger instances the same? True
PS C:\Users\KIIT\OneDrive\Desktop\dn\SingletonPatternExample> █
```

```
PS C:\Users\KIIT\OneDrive\Desktop\dn> dotnet new console -n FactoryMethodPatternExample
>> cd FactoryMethodPatternExample
The template "Console App" was created successfully.

Processing post-creation actions...
Restoring C:\Users\KIIT\OneDrive\Desktop\dn\FactoryMethodPatternExample\FactoryMethodPatternExample.csproj:
Restore succeeded.


PS C:\Users\KIIT\OneDrive\Desktop\dn\FactoryMethodPatternExample> dotnet run
Opening a Word document.
Opening a PDF document.
Opening an Excel document.
PS C:\Users\KIIT\OneDrive\Desktop\dn\FactoryMethodPatternExample> []
```