## E-commerce Platform Search Function

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```

#### **OUTPUT:**

```
Build succeeded with 2 warning(s) in 4.1s
Linear Search Result: Mobile
Binary Search Result: Mobile
```

## FactoryMethodPatternExample

#### **OUTPUT:**

PS C:\Users\Lenovo\OneDrive\Desktop\C#\FactoryMethodPatternExample> dotnet run Opening a Word document. Opening a PDF document. Opening an Excel document.

# Financial Forecasting

#### **OUTPUT:**

```
    PS C:\Users\Lenovo\OneDrive\Desktop\C#\Financial Forecasting> dotnet run Future Value after 5 years: ₹ 12,762.82
    PS C:\Users\Lenovo\OneDrive\Desktop\C#\Financial Forecasting> [
```

## SingletonPatternExample

```
PS C:\Users\Lenovo\OneOrive\Desktop\C#\SingletonPatternExample> dotnet run
C:\Users\Lenovo\OneOrive\Desktop\C#\SingletonPatternExample> dotnet run
C:\Users\Lenovo\OneOrive\Desktop\C#\SingletonPatternExample\Logger.cs(5,27): warning CS618: Non-nullable field '_instance' must contain a non-null value when exiting constructor. Consider adding the 'required' modifier or declaring the field as nullable.
Logger Instance Created
Log Message: This is the first log message.
Log Message: This is the second log message.
Both logger instances are the same (Singleton verified).
```