







Visual Studio Code interface showing a Java project named "cognizant".

EXPLORER

- OPEN EDITORS (1 unsaved)
 - FactoryMethodPattern.java
 - BuilderPatternExample.java (2)
 - SingletonPattern.java
- COGNIZANT
 - BuilderPatternExample.java (2)
 - CustomerOrderSorter.class
 - CustomerOrderSorter.java
 - CustomerOrderSorter\$Order.class
 - ECommerceSearch.class
 - ECommerceSearch.java
 - ECommerceSearch\$Product.class
 - Employee.class
 - EmployeeManagementSystem.class
 - EmployeeManagementSystem.java
 - FactoryMethodPattern.java
 - FinancialForecasting.java
 - InventoryManagementSystem.java
 - LibraryManagementSystem.java (2)
 - Product.class
 - SingletonPattern.java
- OUTLINE
- TIMELINE
- PROJECTS
- RUN CONFIGURATION
- JAVA PROJECTS

BuilderPatternExample.java

```
2 public class BuilderPatternExample {
57     public static void main(String[] args) {
76         if (psuChoice.equals(anObject:"yes")) {
77             System.out.print(s:"Enter Power Supply: ");
78             String powerSupply = scanner.nextLine();
79             builder.setPowerSupply(powerSupply);
80         }
81         System.out.print(s:"Enable Bluetooth: ");
82         String btChoice = scanner.nextLine().trim().toLowerCase();
83         builder.enableBluetooth(btChoice.equals(anObject:"yes"));
84         Computer computer = builder.build();
85         System.out.println(x:"\nYour built computer:");
86         System.out.println(computer);
87         scanner.close();
88     }
89 }
```

PROBLEMS

Run: BuilderPatternExample

```
PS C:\cognizant> & 'C:\Program Files\Java\jdk-24\bin\java.exe' '--enable-preview' '-XX:+ShowCodeDetailsInExceptionMessages' '-c
p' 'C:\Users\sahan\AppData\Roaming\Code\User\workspaceStorage\5c120c78ee1edadaac7ff33613f965a8\redhat.java\jdt_ws\cognizant_43b6
ceb\bin' 'BuilderPatternExample'
Enter required attributes for the computer:
CPU: Intel i7
RAM: 16 GB
Storage: 512GB SSD
Add GPU: yes
Enter GPU: NVIDIA RTX 3060
Add Power Supply: yes
Enter Power Supply: 600W
Enable Bluetooth? (yes/no): yes
```

Ln 81, Col 43 Spaces: 4 UTF-8 CRLF Java

25°C Partly cloudy 20:33 20-06-2025

Visual Studio Code interface showing a Java project named "cognizant". The Explorer sidebar on the left lists files under "COGNIZANT", including "BuilderPatternExample.java" (2 tabs), "SingletonPattern.java", "CustomerOrderSorter.class", "CustomerOrderSorter.java", "CustomerOrderSorter\$Order.class", "ECommerceSearch.class", "ECommerceSearch.java", "ECommerceSearch\$Product.class", "Employee.class", "EmployeeManagementSystem.class", "EmployeeManagementSystem.java", "FactoryMethodPattern.java", "FinancialForecasting.java", "InventoryManagementSystem.java", "LibraryManagementSystem.java" (2 tabs), and "Product.class".

The main editor displays the code for "BuilderPatternExample.java". The code is as follows:

```
2 public class BuilderPatternExample {
57     public static void main(String[] args) {
76         if (psuChoice.equals(anObject:"yes")) {
77             System.out.print(s:"Enter Power Supply: ");
78             String powerSupply = scanner.nextLine();
79             builder.setPowerSupply(powerSupply);
80         }
81         System.out.print(s:"Enable Bluetooth: ");
82         String btChoice = scanner.nextLine().trim().toLowerCase();
83         builder.enableBluetooth(btChoice.equals(anObject:"yes"));
84         Computer computer = builder.build();
85         System.out.println(x:"\nYour built computer:");
86         System.out.println(computer);
87         scanner.close();
88     }
89 }
```

The bottom panel shows the "TERMINAL" output, which displays the program's execution results:

```
Enter Power Supply: 600W
Enable Bluetooth? (yes/no): yes

Your built computer:
Computer Configuration:
CPU: Intel i7
RAM: 16 GB
Storage: 512GB SSD
GPU: NVIDIA RTX 3060
Power Supply: 600W
Bluetooth Enabled: Yes
PS C:\cognizant>
```

The status bar at the bottom indicates the current file is "LibraryManagementSystem.java" at line 81, column 43, with 4 spaces, UTF-8 encoding, and CRLF line endings. The system tray shows the date and time as 20:33 on 20-06-2025.

The screenshot shows an IDE with a project named "COGNIZANT". The Explorer panel on the left lists several Java files, including "BuilderPatternExample.java" which is currently open in the editor. The editor displays the following Java code:

```
2 public class BuilderPatternExample {
57     public static void main(String[] args) {
76         if (psuChoice.equals(anObject:"yes")) {
77             System.out.print(s:"Enter Power Supply: ");
78             String powerSupply = scanner.nextLine();
79             builder.setPowerSupply(powerSupply);
80         }
81         System.out.print(s:"Enable Bluetooth: ");
82         String btChoice = scanner.nextLine().trim().toLowerCase();
83         builder.enableBluetooth(btChoice.equals(anObject:"yes"));
84         Computer computer = builder.build();
85         System.out.println(x:"\nYour built computer:");
86         System.out.println(computer);
87         scanner.close();
88     }
89 }
```

Below the editor, the "TERMINAL" panel shows the output of the program:

```
Add Power Supply: no
Enable Bluetooth: no

Your built computer:
Computer Configuration:
CPU: Intel i7
RAM: 16 GB
Storage: 512GB SSD
GPU: None
Power Supply: Default
Bluetooth Enabled: No
PS C:\cognizant>
```

The status bar at the bottom indicates the file is "LibraryManagementSystem.java" at line 81, column 43, with 4 spaces, UTF-8 encoding, and CRLF line endings. The system tray shows a temperature of 25°C, a search bar, and the date/time 20:34 on 20-06-2025.

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EDITOR: BuilderPatternExample.java

```
2 public class BuilderPatternExample {
57     public static void main(String[] args) {
76         if (psuChoice.equals(anObject:"yes")) {
77             System.out.print(s:"Enter Power Supply: ");
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85         System.out.println(x:"\nYour built computer:");
86         System.out.println(computer);
87         scanner.close();
88     }
89 }
```

PROBLEMS:

```
a\jdt_ws\cognizant_43b6ceb\bin' 'BuilderPatternExample'
Enter required attributes for the computer:
CPU: Intel i7
RAM: 16 GB
Storage: 512GB SSD
Add GPU: no
Add Power Supply: no
Enable Bluetooth: no

Your built computer:
Computer Configuration:
CPU: Intel i7
```

STATUS BAR: 0 0 4 Indexing completed. Java: Ready LibraryManagementSystem.java Ln 81, Col 43 Spaces: 4 UTF-8 CRLF Java

SYSTEM TRAY: 25°C Partly cloudy 20:34 20-06-2025