

The screenshot shows a Visual Studio Code interface with the following details:

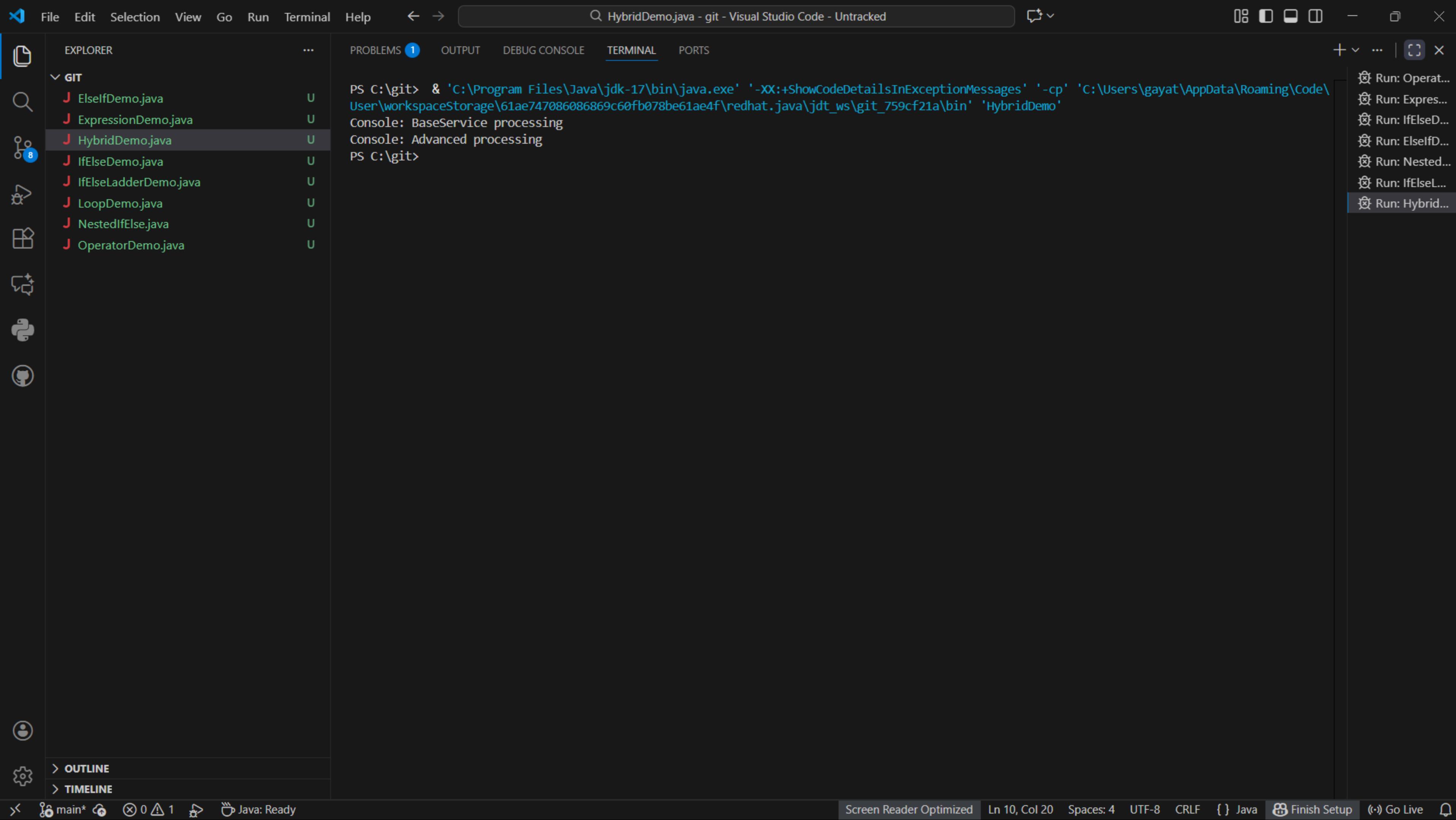
- Top Bar:** File, Edit, Selection, View, Go, Run, Terminal, Help.
- Search Bar:** ExpressionDemo.java - git - Visual Studio Code - Untracked.
- Terminal Tab:** TERMINAL (selected).
- Terminal Output:**

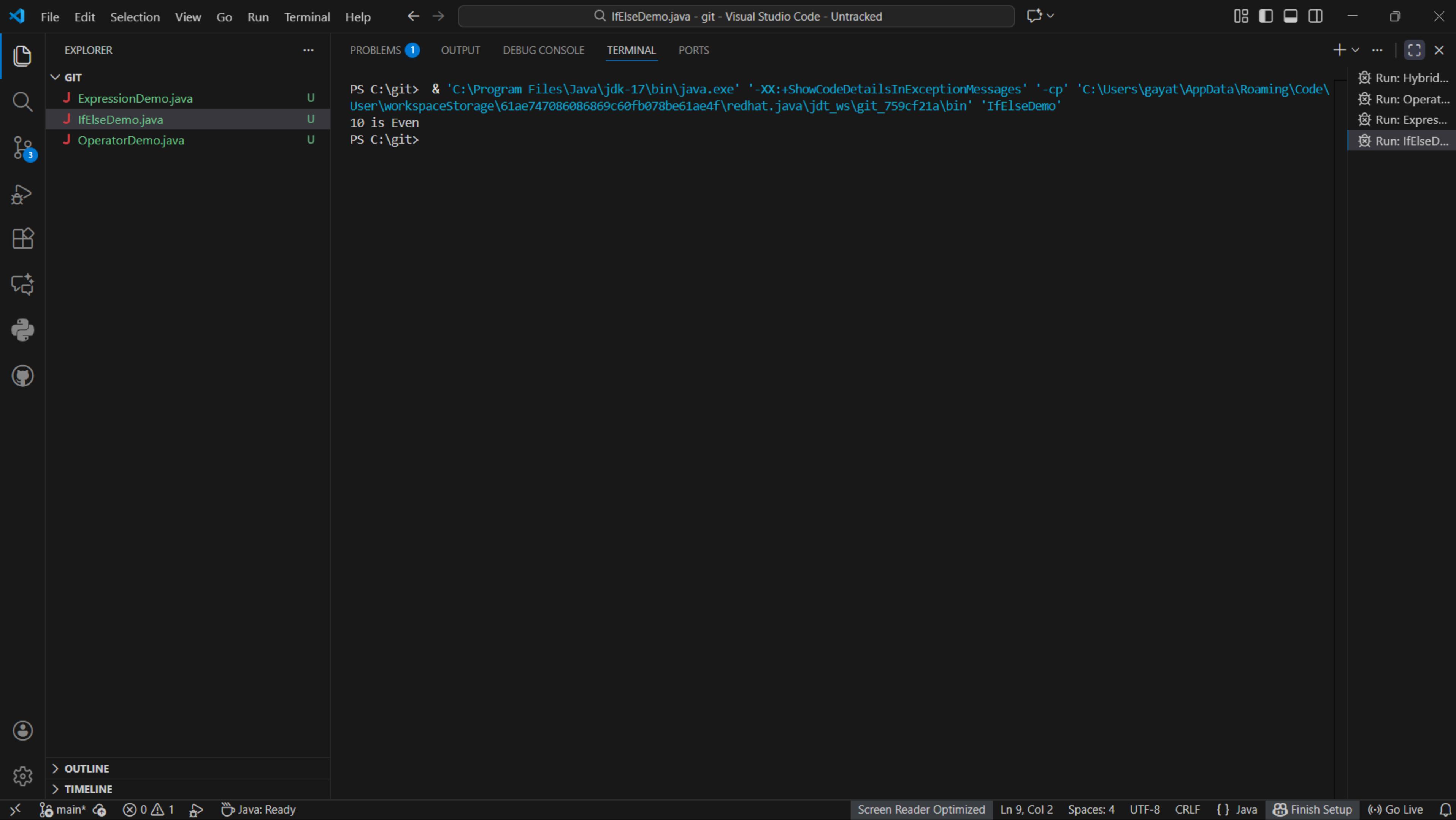
```
PS C:\git> & 'C:\Program Files\Java\jdk-17\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\gayat\AppData\Roaming\Code\User\workspaceStorage\61ae747086086869c60fb078be61ae4f\redhat.java\jdt_ws\git_759cf21a\bin' 'ExpressionDemo'
Expression: a + b * c
Result (a + b * c) = 20

Expression: (a + b) * c
Result ((a + b) * c) = 30

Expression: a + b * c - 4 / 2
Result (a + b * c - 4 / 2) = 18

Expression: a + b / (double)c
Result (a + b / (double)c) = 12.5
PS C:\git>
```
- Right Sidebar:** Run: Hybrid..., Run: Operator..., Run: Express...
- Left Sidebar (Explorer):** Shows GIT folder with files ExpressionDemo.java and OperatorDemo.java.
- Bottom Status Bar:** Screen Reader Optimized, Ln 18, Col 1, Spaces: 4, UTF-8, CRLF, {}, Java, Finish Setup, Go Live.





EXPLORER ... PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\git> & 'C:\Program Files\Java\jdk-17\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\gayat\AppData\Roaming\Code\User\workspaceStorage\61ae747086086869c60fb078be61ae4f\redhat.java\jdt_ws\git_759cf21a\bin' 'IfElseLadderDemo'
Grade: A
PS C:\git>

Run: Hybrid...
Run: Operat...
Run: Express...
Run: IfElseD...
Run: ElseIfD...
Run: Nested...
Run: IfElseL...

GIT

- J ElseIfDemo.java U
- J ExpressionDemo.java U
- J IfElseDemo.java U
- J IfElseLadderDemo.java U
- J NestedIfElse.java U
- J OperatorDemo.java U

6

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\git> & 'C:\Program Files\Java\jdk-17\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\gayat\AppData\Roaming\Code\User\workspaceStorage\61ae747086086869c60fb078be61ae4f\redhat.java\jdt_ws\git_759cf21a\bin' 'IfElseLadderDemo'
Grade: A
PS C:\git>

Run: Hybrid...
Run: Operat...
Run: Express...
Run: IfElseD...
Run: ElseIfD...
Run: Nested...
Run: IfElseL...

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\git> & 'C:\Program Files\Java\jdk-17\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\gayat\AppData\Roaming\Code\User\workspaceStorage\61ae747086086869c60fb078be61ae4f\redhat.java\jdt_ws\git_759cf21a\bin' 'IfElseLadderDemo'
Grade: A
PS C:\git>

Run: Hybrid...
Run: Operat...
Run: Express...
Run: IfElseD...
Run: ElseIfD...
Run: Nested...
Run: IfElseL...

OUTLINE

TIMELINE

main* Java: Ready

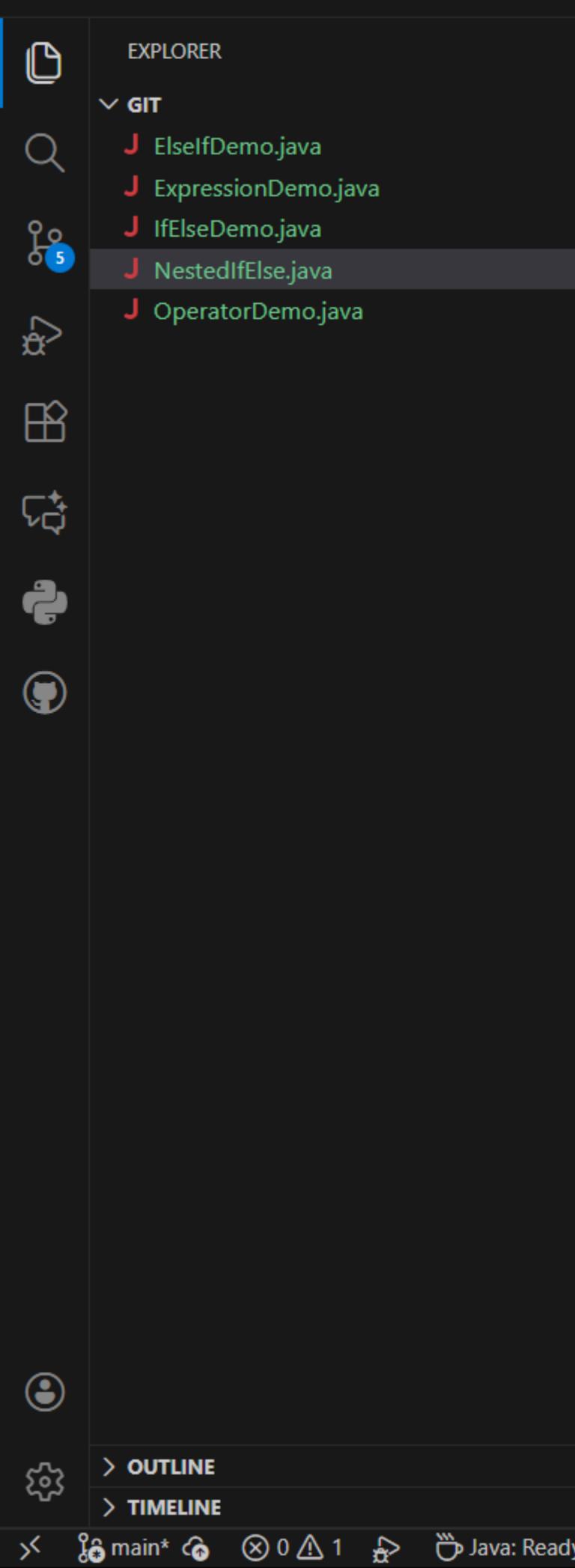
Screen Reader Optimized Ln 12, Col 5 Spaces: 4 UTF-8 CRLF { } Java Finish Setup Go Live

The screenshot shows a Visual Studio Code interface with the following details:

- File Bar:** File, Edit, Selection, View, Go, Run, Terminal, Help.
- Search Bar:** LoopDemo.java - git - Visual Studio Code - Untracked.
- Sidebar:** Explorer, Search, Open, Preview, Editor Groups, Diff, Python, Terminal, Activity Stream.
- Terminal:** Problems (1), Output, Debug Console, TERMINAL (selected), PORTS.
- Content Area:**
 - Output:** Reverse counting from 5 to 1:

```
5
4
3
2
1
```
 - Output:** Pattern printing using nested for loop:

```
* * *
* * *
* * *
```
 - Output:** PS C:\git>
- Run Context Menu:** Run: Hybrid..., Run: Operator..., Run: Expressions..., Run: IfElseDemo..., Run: ElseIfDemo..., Run: NestedIfElse..., Run: IfElseLadder..., Run: LoopDemo...
- Status Bar:** Screen Reader Optimized, Ln 13, Col 20, Spaces: 4, UTF-8, CRLF, {}, Java, Finish Setup, Go Live, Bell icon.



EXPLORER ...

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\git> & 'C:\Program Files\Java\jdk-17\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\gayat\AppData\Roaming\Code\User\workspaceStorage\61ae747086086869c60fb078be61ae4f\redhat.java\jdt_ws\git_759cf21a\bin' 'NestedIfElseDemo'
Number is Negative
PS C:\git>

Run: Hybrid...
Run: Operat...
Run: Express...
Run: IfElseD...
Run: ElseIfD...
Run: Nested...

File Edit Selection View Go Run Terminal Help ← → Q OperatorDemo.java - git - Visual Studio Code - Untracked

EXPLORER PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\git> & 'C:\Program Files\Java\jdk-17\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\gayat\AppData\Roaming\Code\User\workspaceStorage\61ae747086086869c60fb078be61ae4f\redhat.java\jdt_ws\git_759cf21a\bin' 'OperatorDemo'

Arithmetic Operators:

a + b = 15
a - b = 5
a * b = 50
a / b = 2
a % b = 0

Relational Operators:

a > b : true
a < b : false
a == b : false
a != b : true

Logical Operators:

x && y = false
x || y = true
!x = false

Assignment Operators:

c += 5 ? 25
c *= 2 ? 50

Unary Operators:

++num = 11
--num = 10

Ternary Operator:

Max of a and b = 10

PS C:\git>

Run: Hybrid... Run: Operat...

OUTLINE TIMELINE

Screen Reader Optimized Ln 16, Col 42 Spaces: 4 UTF-8 CRLF { } Java Finish Setup Go Live