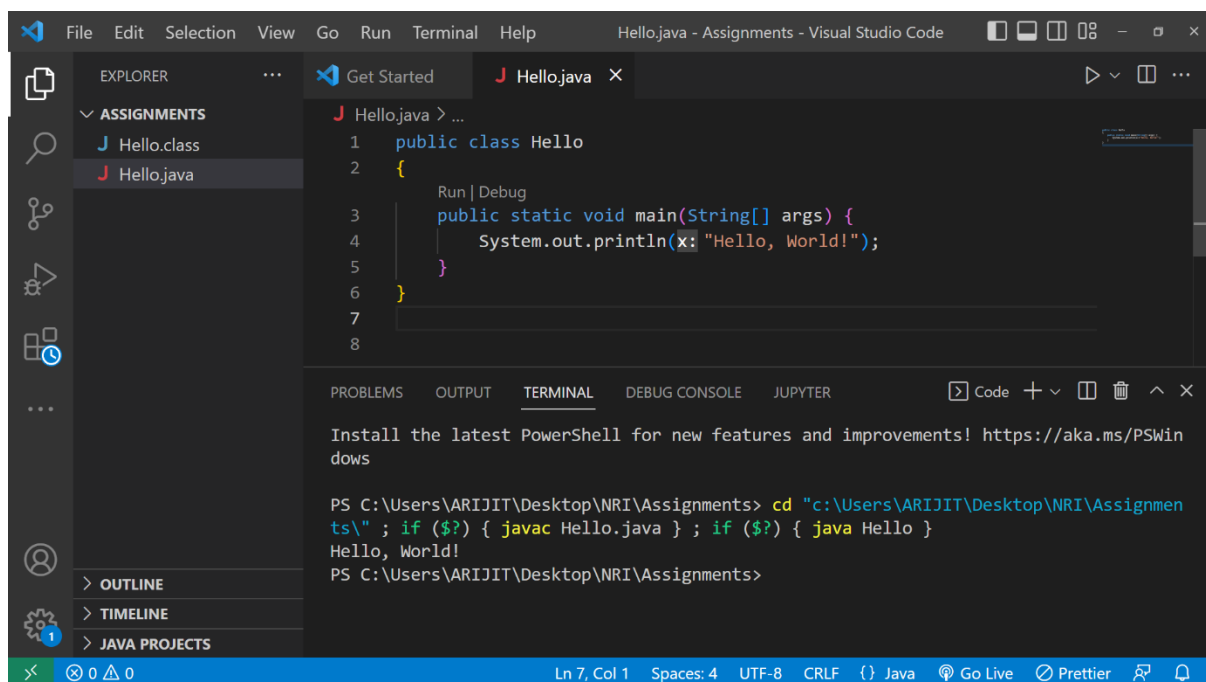


Antwalk Software Engineering Foundations

Assignment 2

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Q1. Hello world Program



The screenshot displays the Visual Studio Code interface with a Java file named 'Hello.java' open. The code defines a public class 'Hello' with a main method that prints 'Hello, World!'. The terminal window shows the command to compile and run the program, resulting in the output 'Hello, World!'.

```
File Edit Selection View Go Run Terminal Help Hello.java - Assignments - Visual Studio Code
```

EXPLORER

- ASSIGNMENTS
 - Hello.class
 - Hello.java

```
1 public class Hello
2 {
3     Run | Debug
4     public static void main(String[] args) {
5         System.out.println(x: "Hello, World!");
6     }
7 }
8
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE JUPYTER

Install the latest PowerShell for new features and improvements! <https://aka.ms/PSWin> dows

```
PS C:\Users\ARIJIT\Desktop\NRI\Assignments> cd "c:\Users\ARIJIT\Desktop\NRI\Assignmen
ts\" ; if ($?) { javac Hello.java } ; if ($?) { java Hello }
Hello, World!
PS C:\Users\ARIJIT\Desktop\NRI\Assignments>
```

Ln 7, Col 1 Spaces: 4 UTF-8 CRLF {} Java Go Live Prettier

Q2. Find rectangle area, reading length and breadth
from console


```
* * * * *
* * *
*
```

The screenshot shows the Visual Studio Code interface with a Java file named `ReversedTriangle.java` open. The Explorer sidebar on the left shows a project named 'ASSIGNMENTS' containing several files, with `ReversedTriangle.java` selected. The main editor displays the following Java code:

```
1 import java.util.*;
2 public class ReversedTriangle {
3     public static void main(String[] args)
4     {
5         Scanner sc=new Scanner(System.in);
6         int number = sc.nextInt();
7
8         int i = number, j;
9         while (i > 0) {
10             j = 0;
11             while (j++ < number - i) {
12                 System.out.print(s: " ");
13             }
14             j = 0;
15             while (j++ < (i * 2) - 1) {
16                 System.out.print(s: "");
17             }
18             System.out.println();
19             i--;
20         }
21     }
22 }
23
```

Below the code editor, the TERMINAL panel shows the command prompt output:

```
PS C:\Users\ARIJIT\Desktop\NRI\Assignments> cd "c:\Users\ARIJIT\Desktop\NRI\Assignments\" ; if ($?) { javac ReversedTriangle.java } ; if ($?) { java ReversedTriangle }
3
*****
***
*
PS C:\Users\ARIJIT\Desktop\NRI\Assignments>
```

The status bar at the bottom indicates the current line and column as 'Ln 6, Col 35', the encoding as 'UTF-8', and the file type as 'Java'.