

Design Documentation:

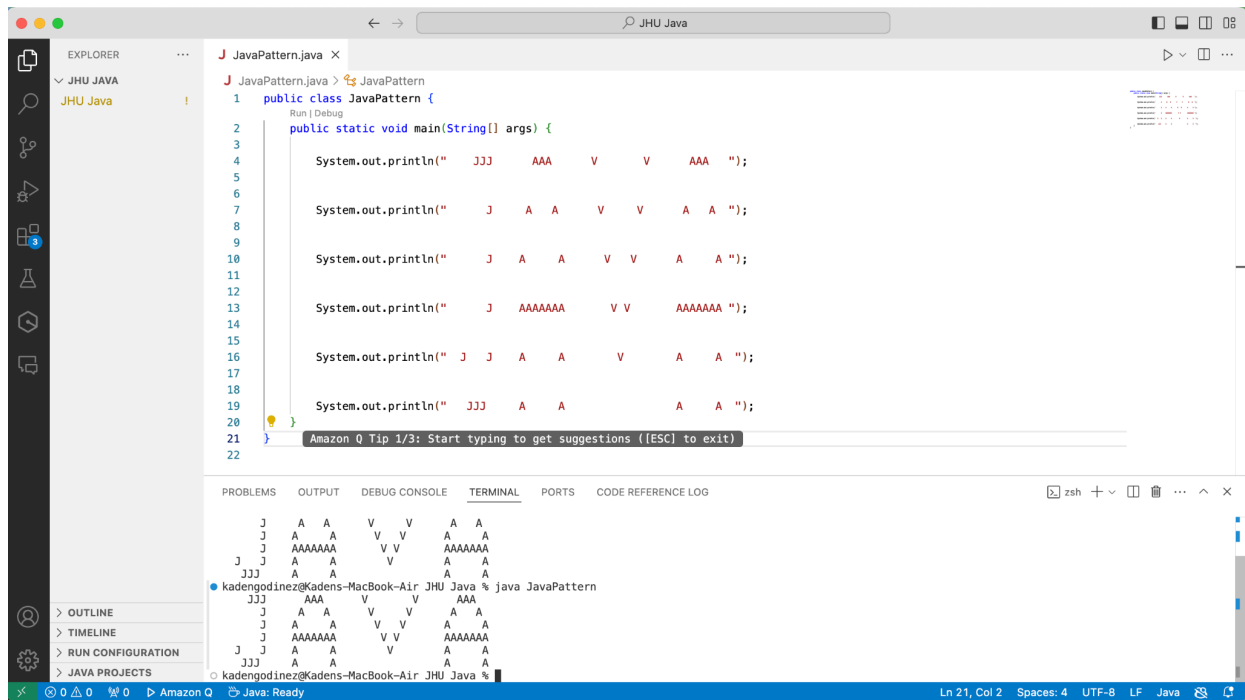
I need to create a Java class—JavaPattern—which outputs “JAVA” but each letter is made up of smaller letters that are the same as the larger letter.

I know that i need to use the main method and to use System.out.println statements with my smaller letters arranged in each line to produce the larger JAVA portion.

Implementation Code:

```
public class JavaPattern {  
    public static void main(String[] args) {  
        System.out.println("    JJJ    AAA    V    V    AAA  
");  
        System.out.println("    J    A  A    V    V    A  A  
");  
        System.out.println("    J    A    A    V    V    A    A  
");  
        System.out.println("    J    AAAAAA    V V    AAAAAA  
");  
        System.out.println("  J  J    A    A    V    A    A  
");  
        System.out.println("    JJJ    A    A    A    A  
");  
    }  
}
```

Output:



The screenshot shows an IDE window with a Java file named `JavaPattern.java`. The code defines a `main` method that prints a pattern of 'J', 'A', and 'V' characters. The output window shows the result of running the program, which is a 6x6 grid of characters forming a pattern. The pattern is as follows:

```
J  A  A  V  V  A  A
J  A  A  V  V  A  A
J  A  A  V  V  A  A
J  A  A  V  V  A  A
J  A  A  V  V  A  A
J  A  A  V  V  A  A
```

The IDE interface includes a sidebar with 'EXPLORER', 'JHU JAVA', and 'JHU Java'. The main editor shows the Java code with line numbers 1 through 22. The output window is at the bottom, showing the pattern of characters. The status bar at the bottom indicates 'Ln 21, Col 2', 'Spaces: 4', 'UTF-8', 'LF', 'Java'.