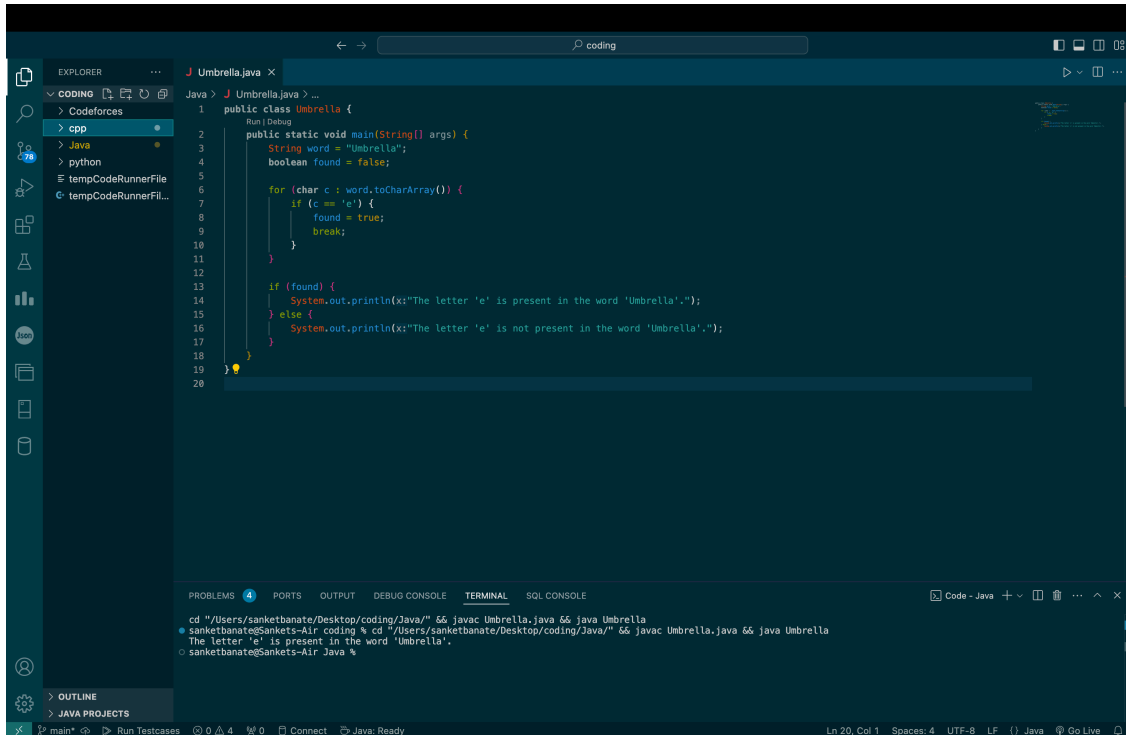


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1) Write a program to check if the letter 'e' is present in the word 'Umbrella'.

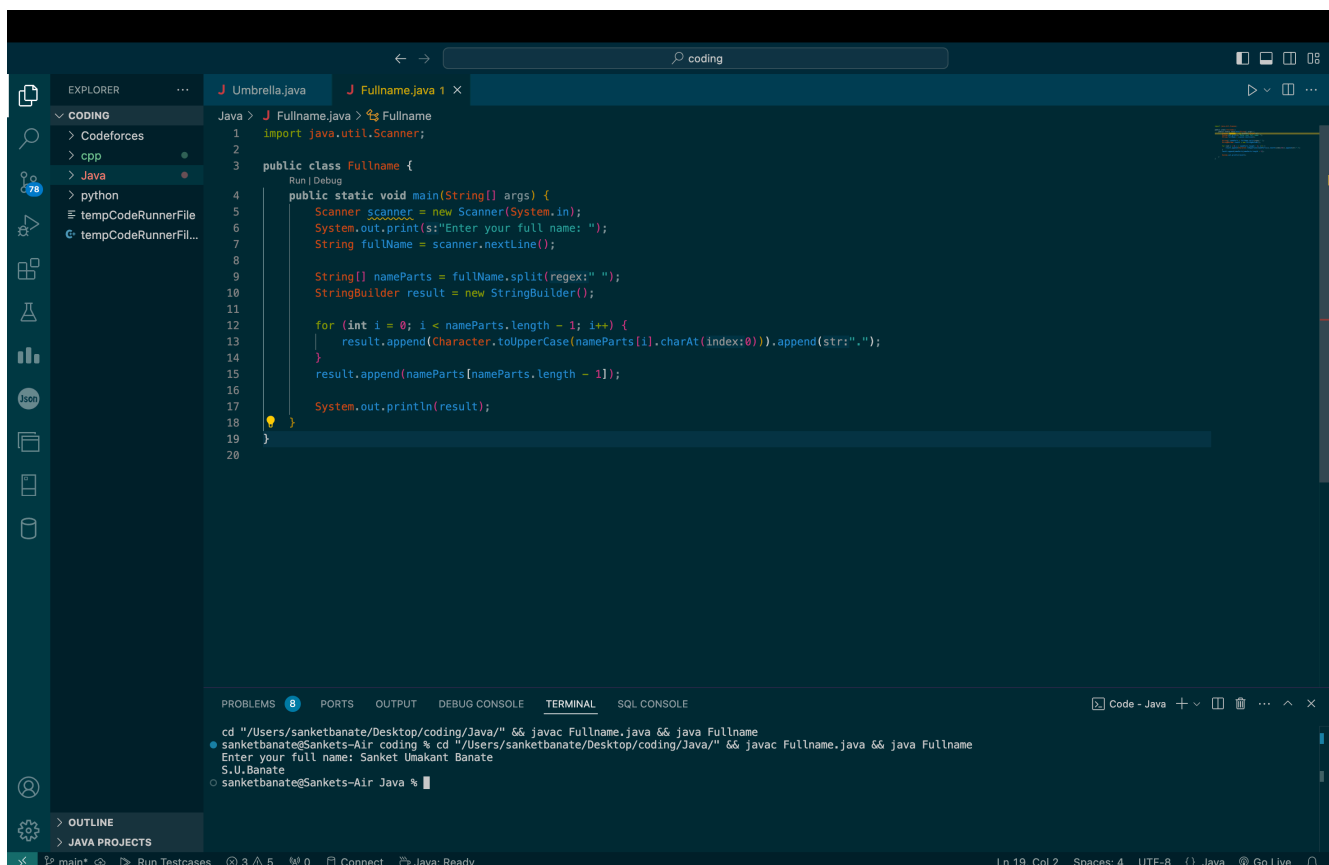


The screenshot shows a code editor with a Java file named `Umbrella.java`. The code defines a public class `Umbrella` with a `main` method. Inside the `main` method, a string `word` is initialized to "Umbrella", and a boolean `found` is set to `false`. A `for` loop iterates over each character in the word. If the character is 'e', `found` is set to `true` and the loop breaks. After the loop, an `if` statement checks if `found` is `true`. If so, it prints "The letter 'e' is present in the word 'Umbrella'."; otherwise, it prints "The letter 'e' is not present in the word 'Umbrella'.". The terminal at the bottom shows the command `cd "/Users/sanketbanate/Desktop/coding/Java/" && javac Umbrella.java && java Umbrella` and the output: `The letter 'e' is present in the word 'Umbrella'.`

```
1 public class Umbrella {
2     public static void main(String[] args) {
3         String word = "Umbrella";
4         boolean found = false;
5
6         for (char c : word.toCharArray()) {
7             if (c == 'e') {
8                 found = true;
9                 break;
10            }
11        }
12
13        if (found) {
14            System.out.println("The letter 'e' is present in the word 'Umbrella'.");
15        } else {
16            System.out.println("The letter 'e' is not present in the word 'Umbrella'.");
17        }
18    }
19 }
20
```

cd "/Users/sanketbanate/Desktop/coding/Java/" && javac Umbrella.java && java Umbrella
The letter 'e' is present in the word 'Umbrella'.
sanketbanate@Sankets-Air Java %

2) Write a program that takes your full name as input and displays the abbreviations of the first and middle names except the last name which is displayed as it is. For example, if your name is Robert Brett Roser, then the output should be R.B.Roser.



The screenshot shows a code editor with a Java file named `Fullname.java`. The code imports `java.util.Scanner` and defines a public class `Fullname` with a `main` method. Inside the `main` method, a `Scanner` object is created to read input from `System.in`. The user is prompted to enter their full name. The input is split into an array of name parts using a regular expression. A `StringBuilder` is used to construct the output. The first and middle names are abbreviated by taking the first letter and appending a period. The last name is added as is. The terminal at the bottom shows the command `cd "/Users/sanketbanate/Desktop/coding/Java/" && javac Fullname.java && java Fullname` and the output: `Enter your full name: Sanket Umakant Banate` followed by `S.U.Banate`.

```
1 import java.util.Scanner;
2
3 public class Fullname {
4     public static void main(String[] args) {
5         Scanner scanner = new Scanner(System.in);
6         System.out.print("Enter your full name: ");
7         String fullName = scanner.nextLine();
8
9         String[] nameParts = fullName.split(regex: " ");
10        StringBuilder result = new StringBuilder();
11
12        for (int i = 0; i < nameParts.length - 1; i++) {
13            result.append(Character.toUpperCase(nameParts[i].charAt(index:0))).append(" ");
14        }
15        result.append(nameParts[nameParts.length - 1]);
16
17        System.out.println(result);
18    }
19 }
20
```

cd "/Users/sanketbanate/Desktop/coding/Java/" && javac Fullname.java && java Fullname
Enter your full name: Sanket Umakant Banate
S.U.Banate
sanketbanate@Sankets-Air Java %