

CSC 360, JavaDoc and Git Practice

- 1) Add JavaDoc documentation to the code below.

```
public void MyFunction(String s1, String s2) {  
  
    for (int i = 0; i < s1.length(); i++) {  
        char currentChar = s1.charAt(i);  
        if (s2.indexOf(currentChar) < 0) {  
            System.out.print(currentChar);  
        }  
    }  
}
```

- 2) Add JavaDoc documentation to the code below.

Note: this method includes two methods that we have not discussed previously. The *String* class has a *toCharArray* method that converts its string to a character array. Additionally, *Character* is a class that is used to store a single character as an object and has a public static method *isUpperCase(x)* that returns true if *x* is an uppercase character.

```
public static int calculate(String str) {  
    int count = 0;  
    for (char c : str.toCharArray()) {  
        if (Character.isUpperCase(c)) {  
            count++;  
        }  
    }  
    return count;  
}
```

- 3) Add JavaDoc documentation to the code below:

```
public static String generate(int[] nums) {  
    String alphabet = "abcdefghijklmnopqrstuvwxyz";  
    String result = "";
```

```
for (int i = 0; i < nums.length; i++) {  
    int n = nums[i];  
    int index = (n - 1) % 26;  
    char letter = alphabet.charAt(index);  
    result = result + letter;  
}  
return result;  
}
```

- 4) What is the difference between *forking* and *cloning* a repository?
- 5) Who is the author and what is the 7-character hash code of the commit that was made to the main branch on September 25, 2026, from <https://github.com/Stirling-Tools/Stirling-PDF>.
- 6) Suppose that you cloned this repository. How could you create and switch to a new branch named `csc360_test` from the command line?
- 7) What command can you use to find out the commit hash, author, date, and description of the most recent commits in a repository?
- 8) What command can you use to get a summary of what you are working on, which includes the branch name and what files have been changed.
- 9) Suppose you have modified the file `src/App.java`. What command can you use to *stage* this file.
- 10) Suppose that you have modified the file `src/Person.java`. You have not yet staged the file, and now want to discard the changes. What is the command to do this?