

CSC 116

DISCUSSION 16

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Logistics

7
July
2021

Sun	Mon	Tue	Wed	Thu	Fri	Sat
27	28	29	30	1	2	3
4	5	6 L16 File Output	7 L17 Objects	8 L18	9	10
11	12	13 L19 Objects	14 L20 GUI	15 PW	16	17
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★ Final	2	3	4	5 Grade Due	6	7

Logistics

- Project 4
 - due Monday, July 12th
- Extra Credit Opportunity
 - **0.5** points to the course grade
 - 2-hour lab session
 - Implement source code to pass JUnit tests
 - if-else, for loops, Objects
 - **Sign up this week** via:
https://ncsu.qualtrics.com/jfe/form/SV_cYiVI3CvGzloZIF

Topics

- File Output
 - PrintWriter
 - close()
 - FileOutputStream
 - FileNotFoundException
- File Input
 - Scanner
 - close()
 - FileInputStream
 - FileNotFoundException

```
String filename = "data.txt";  
FileOutputStream outputStream = new FileOutputStream(filename);  
PrintWriter outputA = new PrintWriter(outputStream);  
  
PrintWriter outputB = new PrintWriter(new FileOutputStream("data.txt"));
```

Lab 16 - RemoveSpaces

Write a program called RemoveSpaces that

- accepts the name of an input file and an output file **on the command line (see examples in Lecture 14)**
- If there are not exactly 2 command line arguments the program prints a **usage message** and exits.
- Otherwise,
 - If the input file does NOT exist, it prints an error message and exits.
 - Otherwise,
 - If the output file does NOT exist, it copies each line of the input file to the output file with no whitespace before or after each token.
 - If the output file does exist, it outputs "File already exists!" and does not overwrite the file.

Hint:

```
Path path = Path.of(filename);  
if (!Files.exists(path)) {  
    ...  
}
```