Jack Utzerath
CST-105 9am
Exercise 4
10/17/21

Loom Video:
https://www.loom.com/share/a66cb950059f4c8da919862ed9bb5e3d

Text From Program:

```
/*
 * Jack Utzerath
 * CST-105 (9am)
 * Exercise 5
 * 10/21/21
 * My own work
 */

package pickles;

import java.io.File;
import java.io.FileNotFoundException;
import java.io.FileOutputStream;
import java.io.PrintWriter;
import java.util.Scanner;

public class Exercise5 {

	public static void main(String[] args) {
		try {
			//instantiate File class
			File inputFile = new File("input.in");
			// instantiate scanner class
			Scanner reader = new Scanner(inputFile);

			try {

				//Create an output file
				FileOutputStream fos = new FileOutputStream("results.out");
				//Instantiate printwriter class
				PrintWriter write = new PrintWriter(fos);

				while (reader.hasNext()) {
```

```
                        //Read from Input File
                        String input = reader.next();

                        //If else statement to output in tabular format
                        if (input.length() > 7) {
                                write.printf("%s\t", input);
                        }

                        else {
                                write.printf("%s\t\t", input);
                        }

                        //If statement for even words
                        if (input.length() % 2 == 0) {
                                //Divide the string by half
                                String str = input.substring(input.length() / 2,
input.length());
                                //replace str with nothing
                                String str2 = input.replace(str, "");
                                write.println((str + str2).toUpperCase());

                        }

                        //If statement for odd words
                        if (input.length() % 2 == 1) {
                                //Create string with second half of the word
                                String str = input.substring((input.length() / 2) + 1,
input.length());
                                //Create string with the first half of the word
                                String str2 = input.substring(0, (input.length() / 2) +
1);
                                write.println((str + str2).toUpperCase());

                        }


                }
                //close write and scanner class
                write.close();
                reader.close();
                //Print out to console
                System.out.println("Printed to the File Successfully");
```

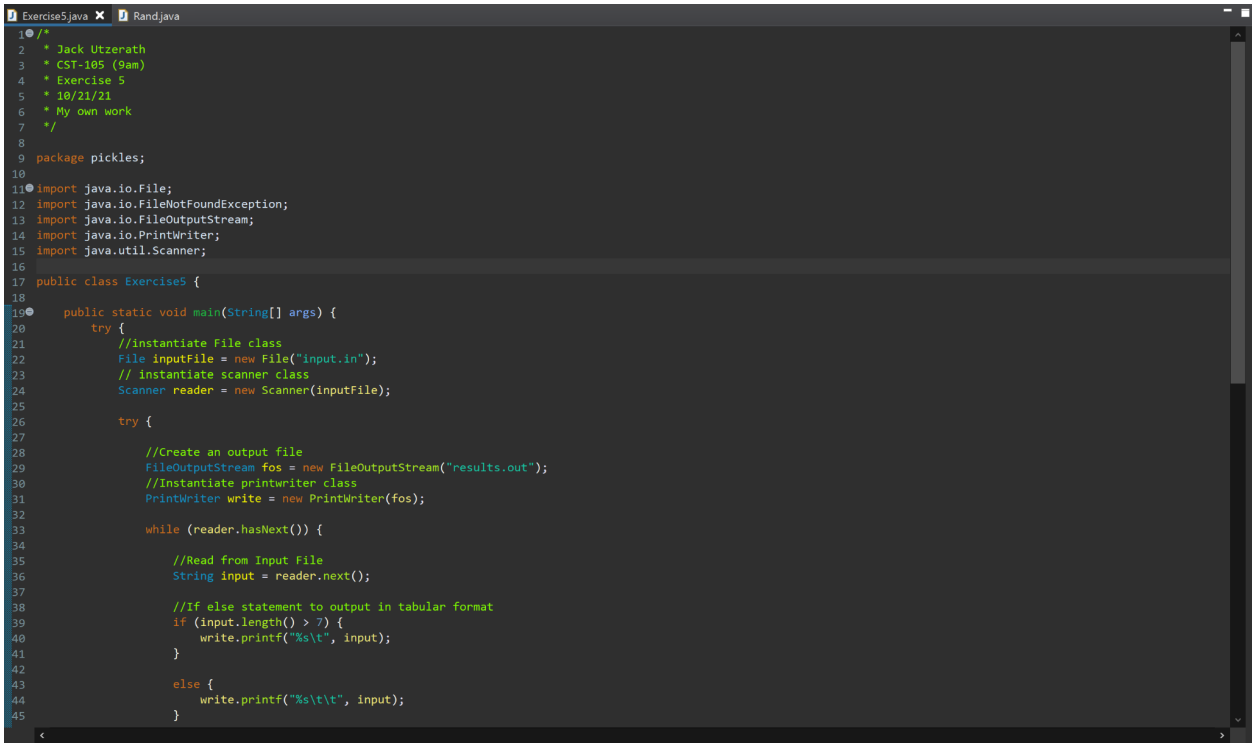
```
                } catch (FileNotFoundException exp) {
                        System.out.println("An Error Occured " + exp);
                        exp.printStackTrace();

                }

        } catch (FileNotFoundException exp) {
                System.out.println("An Error Occured " + exp);
                exp.printStackTrace();
        }

    }

}
```



Exercise5.java | Rand.java

```
                    }

                    //If statement for even words
                    if (input.length() % 2 == 0) {
                        //Divide the string by half
                        String str = input.substring(input.length() / 2, input.length());
                        //replace str with nothing
                        String str2 = input.replace(str, "");
                        write.println((str + str2).toUpperCase());

                    }

                    //If statement for odd words
                    if (input.length() % 2 == 1) {
                        //Create string with second half of the word
                        String str = input.substring((input.length() / 2) + 1, input.length());
                        //Create string with the first half of the word
                        String str2 = input.substring(0, (input.length() / 2) + 1);
                        write.println((str + str2).toUpperCase());

                    }


                }
                //close write and scanner class
                write.close();
                reader.close();
                //Print out to console
                System.out.println("Printed to the File Successfully");

            } catch (FileNotFoundException exp) {
                System.out.println("An Error Occured " + exp);
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            }

        } catch (FileNotFoundException exp) {
            System.out.println("An Error Occured " + exp);
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        }

    }

}

```