

Aashish

#### Unit 1.4

Q) Write a program to duplicate each character in a text file and write the output in a separate file using character stream.

e.g.

source.txt

apple

destination.txt

aappppllee

#### Program:

```
package pkg1.pkg4.pkg2;

import java.io.FileNotFoundException;
import java.io.FileReader;
import java.io.FileWriter;
import java.io.IOException;

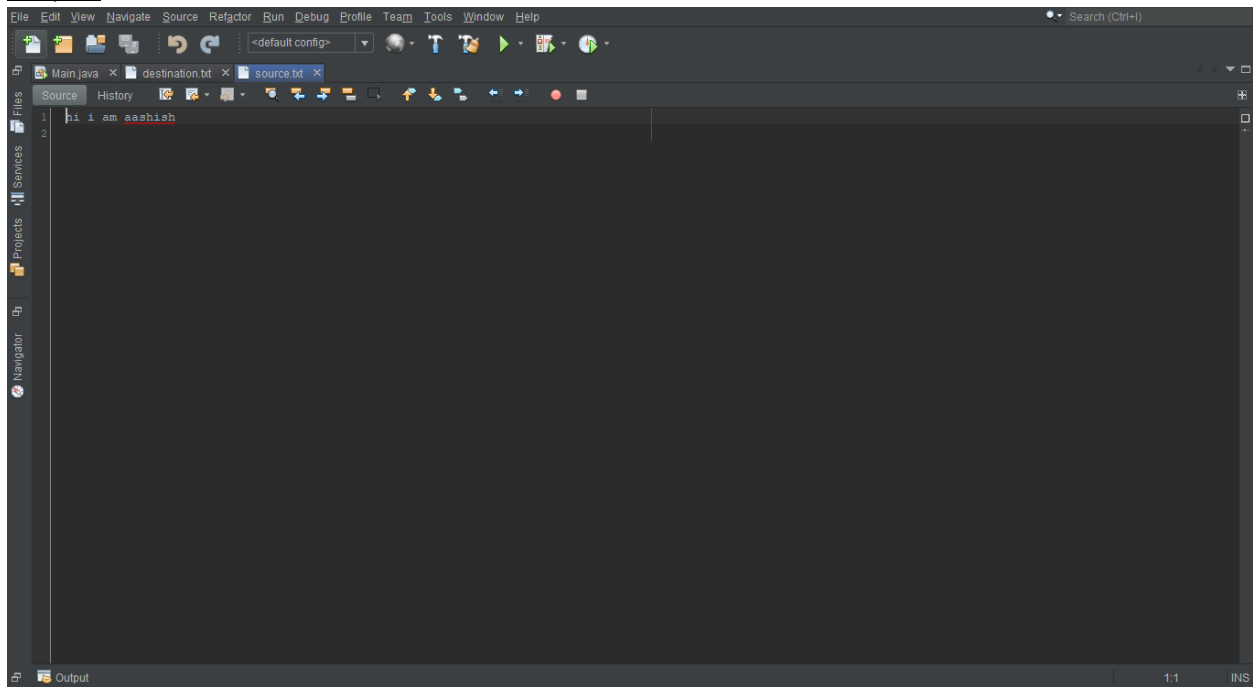
/**
 *
 * @author aashish
 */
public class Main {
    public static void main(String[] args) throws IOException {
        FileReader in = null;
        FileWriter out = null;
        try {
            in = new FileReader("source.txt");
            out = new FileWriter("destination.txt");
            int temp;
            while (true) {
                temp = in.read();
                if (temp == -1) {
                    break;
                } else {
                    out.write(temp);
                    out.write(temp);
                }
            }

            } catch (FileNotFoundException e) {
                System.out.println("The required file is not found");
            } catch (IOException e) {
                System.out.println("The file writing operation could not
be complete");
            } catch (Exception e) {
                System.out.println("Error Occoured");
            }
        }
    }
}
```

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```
    } finally {  
        System.out.println("Operation completed with no errors");  
        if (in != null) {  
            in.close();  
        }  
        if (out != null) {  
            out.close();  
        }  
    }  
}  
}
```

**Output:**



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