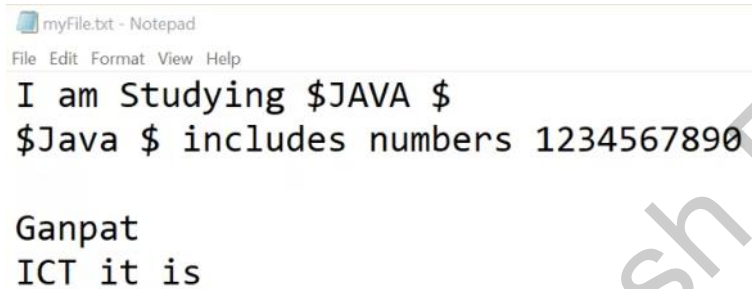Institute of Computer Technology
B. Tech Computer Science and Engineering
Subject: OOP (2CSE303)
PRACTICAL-20

AIM: - Anne was assigned to develop a text editor module which helps calculate the count of characters, words, lines, digits, white spaces and other characters in a given file.

Input format: File with some alphanumeric contents, whitespaces and other symbols

```
myFile.txt - Notepad
File Edit Format View Help
I am Studying $JAVA $
$Java $ includes numbers 1234567890

Ganpat
ICT it is
```

Output format: Count of characters, lines, characters, numbers, spaces and symbols if any.
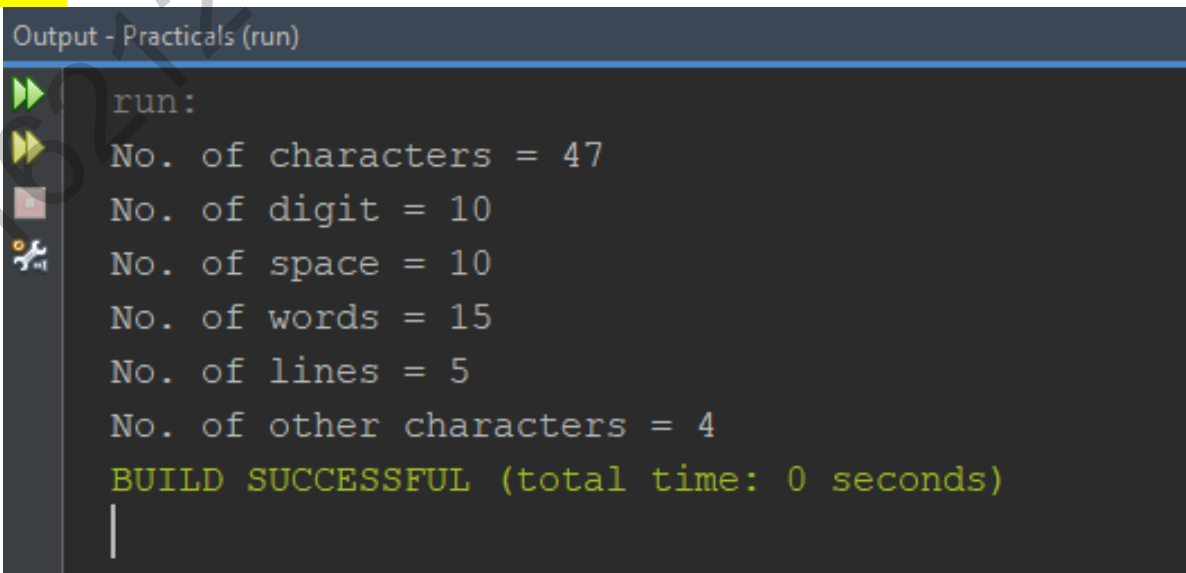
```
run:
No. of character=47
No. of digit=10
No. of space=11
No. of words=11
No. of lines=10
No. of other characters=4
```

SOLUTION

```java
package practicals;
import java.io.*;
/**
 *
 * @author YashPrajapati
 */
public class prac20 {
    public static void main(String[] args) throws Exception {
        FileReader fr = new FileReader(
                "C:\\Users\\admin\\Google Drive\\B-Tech\\guni-sem3-data\\SEM-3\\OOP\\OOP_Practicals\\Prac-20\\myFile.txt");
        BufferedReader br = new BufferedReader(fr);
        String temp;
        int letter = 0, digit = 0, space = 0, line = 0, other = 0, word = 0;
```

```java
while ((temp = br.readLine()) != null) {
    String[] words = temp.split("\\s");
    word += words.length;
    line++;
    for (int i = 0; i < temp.length(); i++) {
        if (Character.isLetter(temp.charAt(i))) {
            letter++;
        } else if (Character.isDigit(temp.charAt(i))) {
            digit++;
        } else if (Character.isWhitespace(temp.charAt(i))) {
            space++;
        } else {
            other++;
        }
    }
}
fr.close();

System.out.println("No. of characters = " + letter);
System.out.println("No. of digit = " + digit);
System.out.println("No. of space = " + space);
System.out.println("No. of words = " + word);
System.out.println("No. of lines = " + line);
System.out.println("No. of other characters = " + other);
    }
}
```

OUTPUT