

Bajrang Gour
CSE-506L (Performance Analysis of Programming Languages Lab)

EXPERIMENT NO. 10A1

AIM: Write a program to show the functionality of file handling using menu based feature with the option to create a new file, write the data into file, append the data to a file, update the data into file and delete the file.

Github link : <https://github.com/code-bajju/mmdu-OOPS-assignment.git>

INPUT :

```
import java.io.*;
import java.util.Scanner;
public class assignment_10A1 {
    public static void main(String[] args) throws IOException {
        char operator;
        File myfile = new File("bajrang.txt");
        Scanner sc = new Scanner(System.in);
        System.out.println("\n 1.Create a file \n 2.Write Data \n
3.Append Data \n 4.Update Data \n 5.Delete File");
        operator = sc.next().charAt(0);
        sc.close();
        switch (operator) {
            case '1':
                try {
                    if (myfile.createNewFile()) {
                        System.out.println("File " +
myfile.getName() + " is created successfully.");
                    } else {
                        System.out.println("file is already Exist
!");
                    }
                } catch (IOException e) {
                    System.out.println("an Error Occur");
                    e.printStackTrace();
                }
                break;
            case '2':
                try {
                    FileWriter myWriter = new
FileWriter("bajrang.txt");
                    myWriter.write("Hello Everyone My Name is
Bajrang Gour");
                    myWriter.close();
                    System.out.println("Successfully wrote to the
file.");
                } catch (IOException e) {
                    System.out.println("An error occurred.");
                    e.printStackTrace();
                }
                break;
            case '3':
```

```

        try (FileWriter f = new FileWriter("bajrang.txt",
true); BufferedWriter b = new BufferedWriter(f); PrintWriter p = new
PrintWriter(b);) {
            p.println("");
            p.println("appending text into file");
            p.println("I am Inserted Text");
            p.println("I am 2nd Inserted Text");
            System.out.println("Successfully Appended to the
file");

            } catch (IOException i) {
                i.printStackTrace();
            }
            break;
        case '4':
            try {
                String filePath = "bajrang.txt";
                Scanner sc2 = new Scanner(new File(filePath));
                StringBuffer buffer = new StringBuffer();
                while (sc2.hasNextLine()) {
                    buffer.append(sc2.nextLine() +
System.lineSeparator());
                }
                String fileContents = buffer.toString();
                System.out.println("Contents of the file: " +
fileContents);

                sc2.close();
                String oldLine = "Hello";
                String newLine = "Namskar";
                fileContents = fileContents.replaceAll(oldLine,
newLine);

                FileWriter writer = new FileWriter(filePath);
                System.out.println("");
                System.out.println("new data: " + fileContents);
                writer.append(fileContents);
                writer.flush();
                writer.close();
            } catch (IOException e) {
                System.out.println("error");
            }
            break;
        case '5':
            try {
                if (myfile.delete()) {
                    System.out.println("Succesfully deleted" +
myfile.getName());
                } else {
                    System.out.println("failed");
                }
            } catch (Exception e) {
                e.printStackTrace();
            }
            break;
        default:
    }
}
}

```

Output:

```
PS E:\Github\mmdo-OOPS-assignment\Assignment_10> e.; cd
'e:\Github\mmdo-OOPS-assignment\Assignment_10';
&'assignment_10A1'
```



Enter Choice to Perform action on file

- 1.Create a file
- 2.Write Data
- 3.Append Data
- 4.Update Data
- 5.Delete File



Output IDE :

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
PS E:\Github\mmdo-OOPS-assignment\Assignment_10> e;; cd 'e:\Github\mmdo-OOPS-assignment\Assignment_10'
nMessages' '-cp' 'C:\Users\bajra\AppData\Roaming\Code\User\workspaceStorage\bdf874789eb0f83613a9de3e0'
1.Create a file
2.Write Data
3.Append Data
4.Update Data
5.Delete File
```

1.Create a file

Name	Date modified	Type	Size
 assignment_10A1	10-12-2022 14:43	IntelliJ IDEA Com...	4 KB
 bajrang	10-12-2022 14:37	Text Document	0 KB

2.Write Data

Name	Date modified	Type	Size
 assignment_10A1	10-12-2022 14:43	IntelliJ IDEA Com...	4 KB
 bajrang	10-12-2022 14:50	Text Document	1 KB



bajrang - Notepad

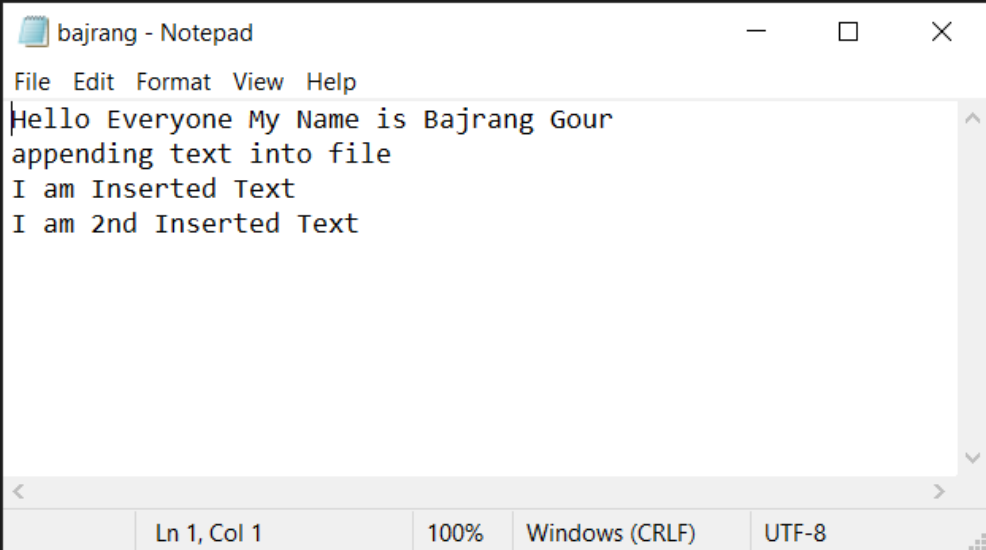
File Edit Format View Help

Hello Everyone My Name is Bajrang Gour



Ln 1, Col 1 100% Windows (CRLF) UTF-8

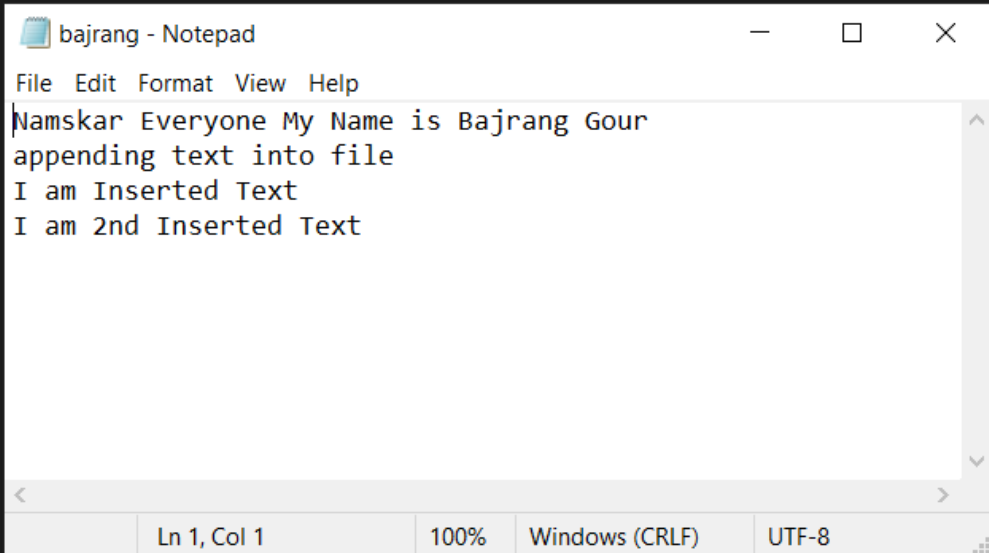
3.Append Data

Name	Date modified	Type	Size
 assignment_10A1	10-12-2022 14:43	IntelliJ IDEA Com...	4 KB
 bajrang	10-12-2022 14:52	Text Document	1 KB




4.Update Data

Name	Date modified	Type	Size
 assignment_10A1	10-12-2022 14:55	IntelliJ IDEA Com...	4 KB
 bajrang	10-12-2022 14:55	Text Document	1 KB



5.Delete File

Name	Date modified	Type	Size
 assignment_10A1	10-12-2022 14:57	IntelliJ IDEA Com...	4 KB