Animesh Parab 88 T2-T21

Assignment 8 Nodejs File

Aim :- Write a program in Node JS to

- a. Create a file
- b. Read the data from file
- c. Write the data to a file
- d. Rename a file
- e. Append data to a file
- f. Delete a file

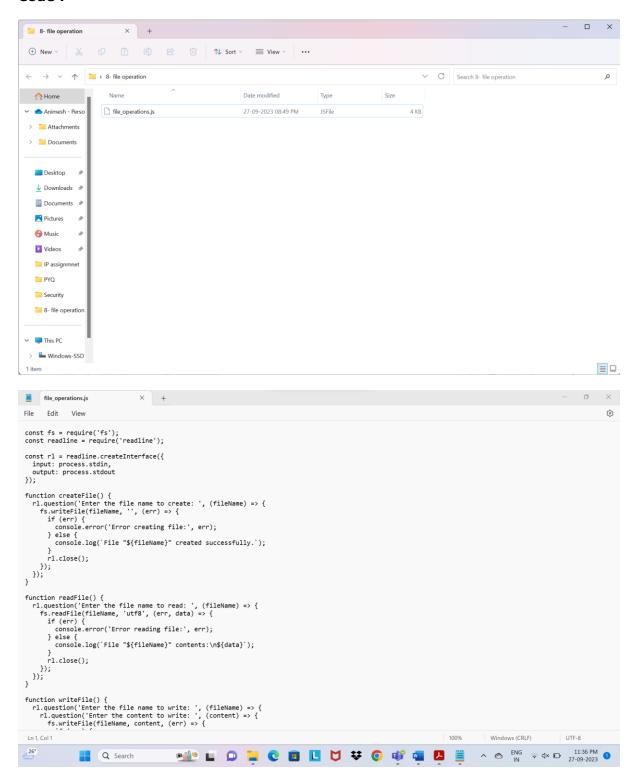
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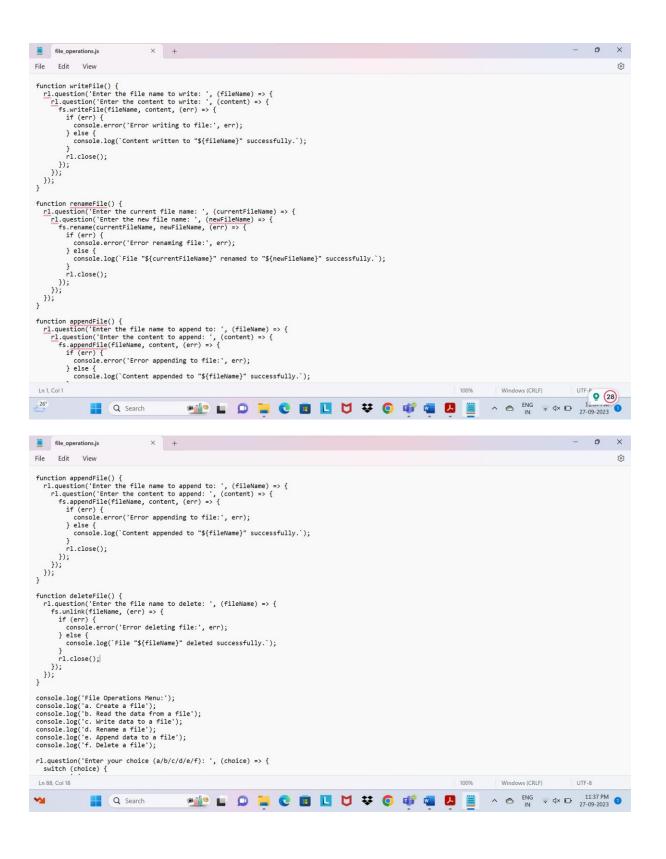
Theory:-

Node.js is a popular JavaScript runtime environment that allows developers to build server-side applications. The assignment leverages Node.js and its built-in `fs` module for handling file-related operations. Additionally, it uses the `readline` module to interactively collect user input from the command line.

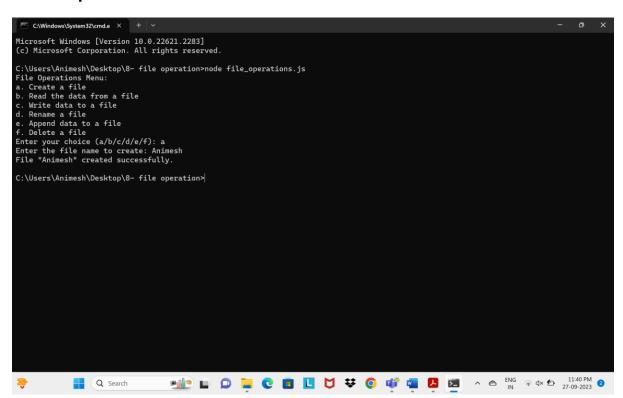
- 1. Creating a File (Option 'a'): The program prompts the user to enter a filename. Upon user input, it uses the `fs.writeFile` method to create an empty file with the specified name.
- 2. Reading Data from a File (Option 'b'): The program prompts the user to enter the filename they want to read from. It then uses the `fs.readFile` method to read the contents of the specified file and displays the content to the user.
- 3. Writing Data to a File (Option 'c'): Users are asked to enter both a filename and content. The program utilizes the `fs.writeFile` method to write the provided content to the specified file.
- 4. Renaming a File (Option 'd'): Users must input the current filename and the new filename. The program utilizes the `fs.rename` method to rename the file.
- 5. Appending Data to a File (Option 'e'): Users are asked to enter a filename and content to append. The program uses the `fs.appendFile` method to append the provided content to the specified file.
- 6. Deleting a File (Option 'f'): The program prompts the user to enter the filename they want to delete. It then uses the `fs.unlink` method to delete the specified file.

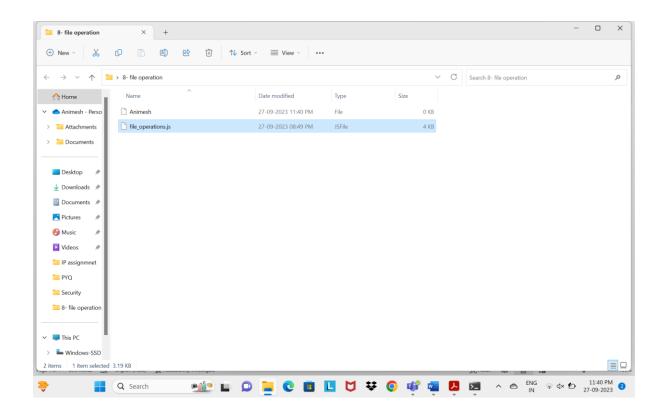
Code:-



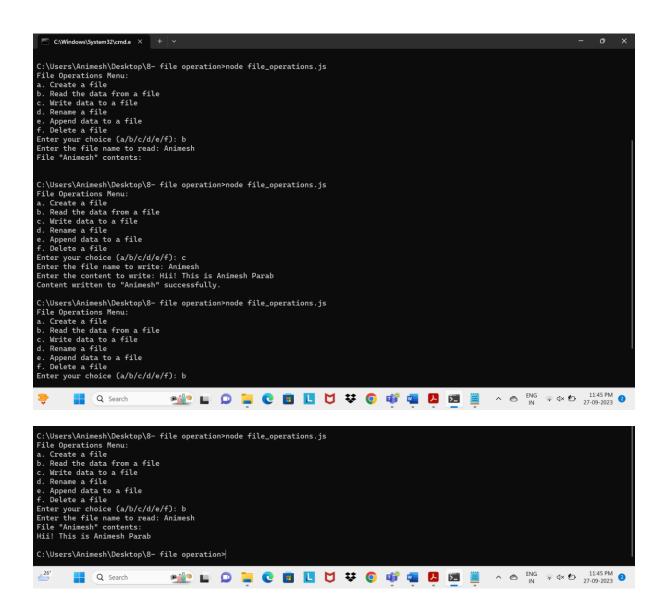


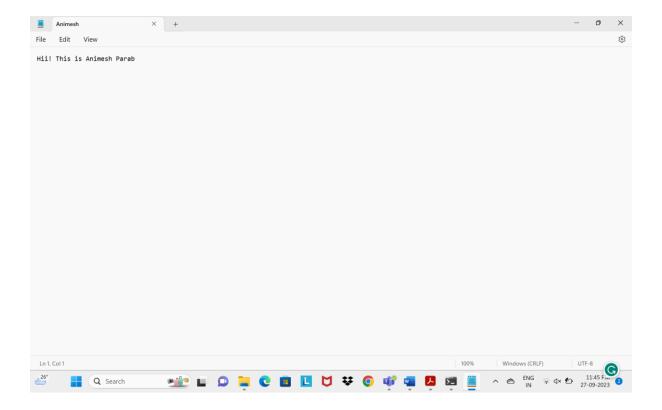
Code output :-



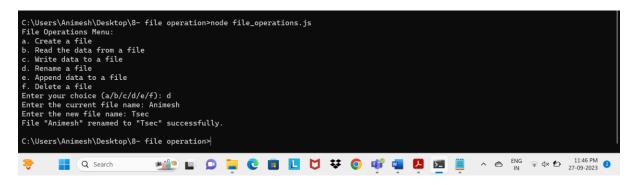


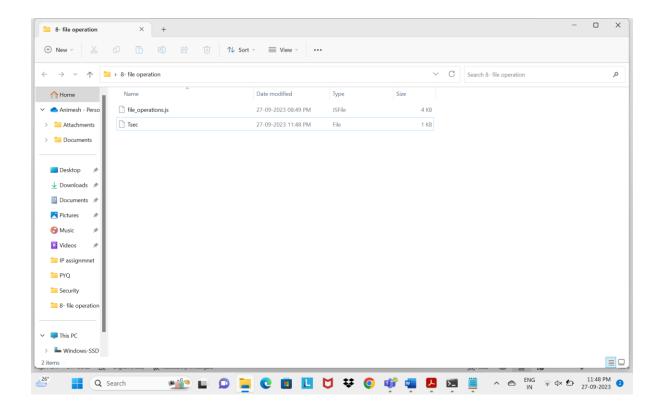
For read a data from file and write a data from file





Rename file name





Append Data to file

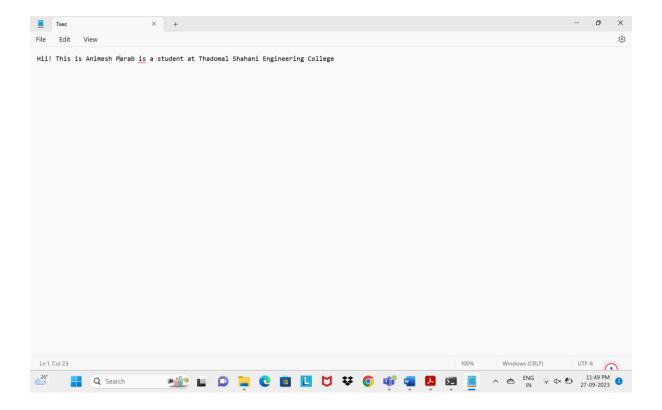
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C:\Users\Animesh\Desktop\8- file operation>node file_operations.js

File Operations Menu:
a. Create a file
b. Read the data from a file
c. Write data to a file
d. Rename a file
e. Append data to a file
f. Delete a file
Enter your choice (a/b/c/d/e/f): e
Enter the file name to append to: TSEC
Enter the file name to append is a student at Thadomal Shahani Engineering College
Content appended to "TSEC" successfully.

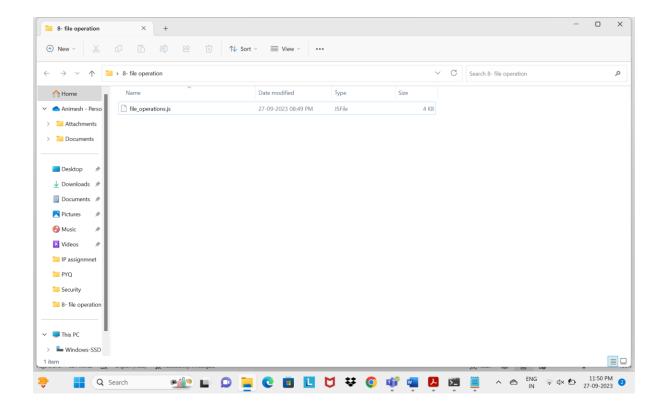
C:\Users\Animesh\Desktop\8- file operation>

Q Search

R S
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For Delete a file



Conclusion:- In this assignment, we have learned how to create a file, how to add content to a file, how to change the file name, how to append data to existing data, how to read data for a file and how to delete a file