**—- Text Crafting —-**

Text Crafting is a text editing software that offers advanced features similar to Microsoft Word. It enables users to manipulate text strings in various ways, such as converting them to uppercase, reversing their order, and performing searches Etc.

First, I had created a do-while loop for continuous iteration until the user says “no.”

do {

var loop = parseInt(prompt(`Do You Want to Perform Another Operation on the string? (1. Yes / 0. No)`));

} while (loop > 0)

Let’s take a user input by creating a variable userInput and Transform. userInput is used to store a string, and Transform is used to store the type of operation the user wants to perform on the given string.

do {

// Get user input

let userInput = prompt("Enter a string:").toLowerCase();

let transform = prompt("What would you like to do with this string\n (Reverse, Capital, Size, Search, Repeat)?").toLowerCase();

console.log(userInput)

Let’s create a switch case for each operation such as reverse, capitalize, size, search, and repeat. It will match the user input with the case to perform a task. If the user input doesn’t match any of the given operations, it will print “Choose a correct option.”

We also use backticks for console.log to print strings and input at the same place.

switch (transform) {

case "reverse":

let reversedString = userInput.split("").reverse().join(""); //split the given letter , reverse it and then join agian

console.log(`Reversed String: ${reversedString}`); //-----use backtick-----

// console.log("Reversed String: " + reversedString + " string reverse " + reversedString);

// console.log(`Reversed String: ${reversedString} string reverse ${reversedString}`);

break;

case "capital":

let capitalizedString = userInput.toUpperCase(); // convert into Capital Letter

console.log(`Capitalized Words: ${capitalizedString}`);

break;

case "size":

let stringSize = userInput.length; // find the length of string

console.log(`Size of String: ${stringSize}`);

break;

case "search":

let searchString = prompt('Search string or word').toLowerCase(); // convert given string into smaller letter

let isFound = userInput.includes(searchString); // search the letter or word exist in given string [return (boolean value)]

console.log(`${searchString} ? : ${isFound}`);

break;

case "repeat":

let repeatCount = prompt('How many times do you want to repeat the string?');

let repeatedString = userInput.repeat(repeatCount); // repeat the string no.of times

console.log(`Repeated String: ${repeatedString}`);

break;

default:

console.log(`Please choose a correct option.`);

break;

}

It will ask the user if they want to perform another task. If yes, print 1; if no, print 0

var loop = parseInt(prompt(`Do You Want to Perform Another Operation on the string? (1. Yes / 0. No)`));

} while (loop > 0)

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