

Lab: To understand variables, operators, conditional statements, looping, functions and event in JS

Theory:

Write short notes on:

- Js variables
- Js operators
- Js conditional statements
- Js loops
- Js functions
- Js events
- JS array

1. Write a js program to display current date time.
2. Write a JS program to change the color of text to red and font size to 24px of a paragraph with id "para". The element is as follows.
`<p id="demo">This is paragraph</p>`
3. Write a js program to find the sum of first 100 positive numbers using function.
4. Design an HTML form that requests a person's name and age. Include a submit button. Upon clicking the submit button, trigger the function named "checkForVote." This function will assess the person's age. If the age is equal to or greater than 18, display a prompt indicating that they are eligible to participate in voting. If the age is less than 18, prompt a message indicating they are not eligible for voting.
5. Write a js program to perform the following by taking the references of the following paragraph.
6. Write a Js program to ask user any 5 numbers and store in an array and print their sum.

Located in the lap of the Fishtail and Annapurna Mountains and situated in the valley of the lakes, Gandaki University (GU) is located in the beautiful city of Pokhara, a metropolitan area quickly becoming the education hub of the south-east Asia. Gandaki University was established in 2019 to provide world class education in keeping with the most recent international trends in university education.

- a. Find the total number of characters and print it.
- b. Find the total number of words and print it.
- c. Convert all characters of paragraphs in uppercase.
- d. Convert all characters of paragraphs in lowercase.
- e. Replace the word fishtail to Machhapuchchhre