

Assignment Report

In this assignment, various operations were performed using JavaScript on an HTML webpage. The steps of the process are as follows:

1. File Reading Process:

- The FileReader API was used to read hex color codes from a selected text file.
- The contents of the file were read using the readAsText() method of the FileReader object.
- The file content was parsed line by line to extract hex color codes.

2. Image Reading Process:

- Two image files were used.
- The images were displayed on the HTML page using the tag.
- Switching between images was achieved by clicking a button using JavaScript.

3. Color Changing Process:

- The read hex color codes were stored in an array.
- A random color was selected from these colors, and the color of the text on the page was changed.
- The randomly selected colors were used to update the colors of the text based on the user's request.

4. Rectangle Area Calculation Process:

- The user was provided with the option to enter the length and width of a rectangle.
- Checking whether the entered values are numeric prevented incorrect inputs.
- The area of the rectangle was calculated using the entered length and width values, and the result was written to the HTML page.

These operations were performed using a simple HTML page and JavaScript. With a user-friendly interface, operations such as file reading, image display, color changing, and area calculation can be easily performed.

Student Information

Name: ALPEREN BUGAY

Surname: TAŞKIRAN

Student Number: 18050161004

Age: 29

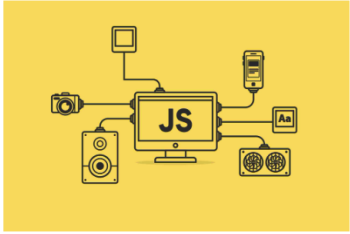
Change Color

Dosya Seç

color.txt

CHANGE COLOR

Change Images



CHANGE IMAGE

Rectangle Area Calculation

LENGTH: WIDTH:

CALCULATE AREA

Please enter valid numbers.

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CHANGE COLOR

Change Images



CHANGE IMAGE

Rectangle Area Calculation

LENGTH: WIDTH:

CALCULATE AREA

Area of Rectangle: 242