PROJECT ON

FLAMES

CONTENT

ABOUT ME

HARISH S M

Hello and welcome, I'm excited to share a little bit about myself with you. I like to think of myself as a FULL STACK DEVELOPER, which has helped me approach life and work in a unique way.

Growing up, I was always drawn towards working on a PC and playing video games, which eventually is leading me to pursue a career in Field of STACK DEVELOPMENT. Through my work, I've had the opportunity to gain more knowledge about the problems that I've gone through, which has helped me develop a simple website on FLAMES.

ABSTRACT
FLAMES

- FLAMES is a game used to find a non-real / funny relationship between two persons using their names without including any special characters and their initials.

- "Flames" is a term that is often used to describe the intensity of a strong emotion, particularly passion or desire. It can also refer to a bright, flickering fire, which is often associated with warmth, energy, and creativity.

- In pop culture, the term "FLAMES" is sometimes used to describe a romantic relationship that is intense and passionate. The acronym "FLAMES" is also sometimes used as a playful game to predict the compatibility of two people, with each letter standing for a different relationship status (Friends, Lovers, Affectionate, Marriage, Enemies, Siblings).

TOOLS

HTML

HTML is a fundamental technology for creating web pages and web applications. It is used to define the structure and content of webpages, create forms, and is often combined with CSS and JavaScript to create rich and interactive web experiences.

Java-Script

JavaScript is a versatile programming language that is used in a wide range of applications, both on the front-end and back-end of web development.

CSS

Cascading Style Sheets is a language used for describing the presentation of a document written in HTML or XML. CSS allows you to define how the elements of a web page should be displayed, including their layout, colors, fonts, sizes, and other visual aspects.

USER INTERFACE

User interface in this project was done using HTML5. HTML (Hypertext Markup Language) is a markup language used for creating web pages. It is used to structure content on the web and to define the layout and presentation of web pages. HTML is a simple and easy-to-learn language, making it a great starting point for creating user interfaces.

HTML is used as interface for this project and it helps to get the input from the user, which is given as an input for Java-Script to perform flames algorithm. It also combines interface between HTML & CSS for various designs

ALGORITHM

Java-Script uses the input given by the user on the web page through HTML and performs the coded algorithm to compute the output.

STEPS:

- The Flames Game function takes two arguments: name1 and name2, which are the names of the two individuals.
- The function first converts the names to lowercase and removes any spaces using the to LowerCase() method and the regular expression
- The function creates an array of the letters in "FLAMES" using the syntax var flames = ["F", "L", "A", "M", "E", "S"];.
- The function loops through the letters in name1 and checks if each letter exists in name2 using the indexOf() method. If a common letter is found, it removes the letter from both names using the replace() method and decrements the loop counter i to account for the removed letter.
- The function calculates the total number of remaining letters by adding the lengths of the two names together using the length property and the + operator.
- The function loops through the letters in "FLAMES" using a for loop and removes letters until only one letter is left. The loop starts at 0 and continues until the second-to-last letter in "FLAMES", since the last letter will be the remaining letter. Inside the loop, the function calculates the index of the letter to remove using the formula (count % (flames.length - i)) -1. This formula calculates the remainder when count is divided by the number of remaining letters, and then subtracts 1 to account for the zero-based indexing of arrays. If the index is -1, the function wraps around to the end of the array by setting the index to flames.length - 1. Finally, the function removes the letter at the calculated index using the splice() method.

ALGORITHM

- The remaining letter in the "FLAMES" array represents the relationship status between the two individuals, so the function stores it in a variable named status.
- The function returns the relationship status by using the return keyword.
- Finally, the function is called with the names "NAGA DEEPAK and "PREMNATH" using the console.log() method, and the result is outputted to the console. In this case, the result is "L" for LOVERS.

Note :This is just one possible implementation of the FLAMES game algorithm in JavaScript, and there are many ways to implement this algorithm. The main steps of the algorithm are the same, but the details of the implementation can vary depending on the programming language and the specific requirements of the application.

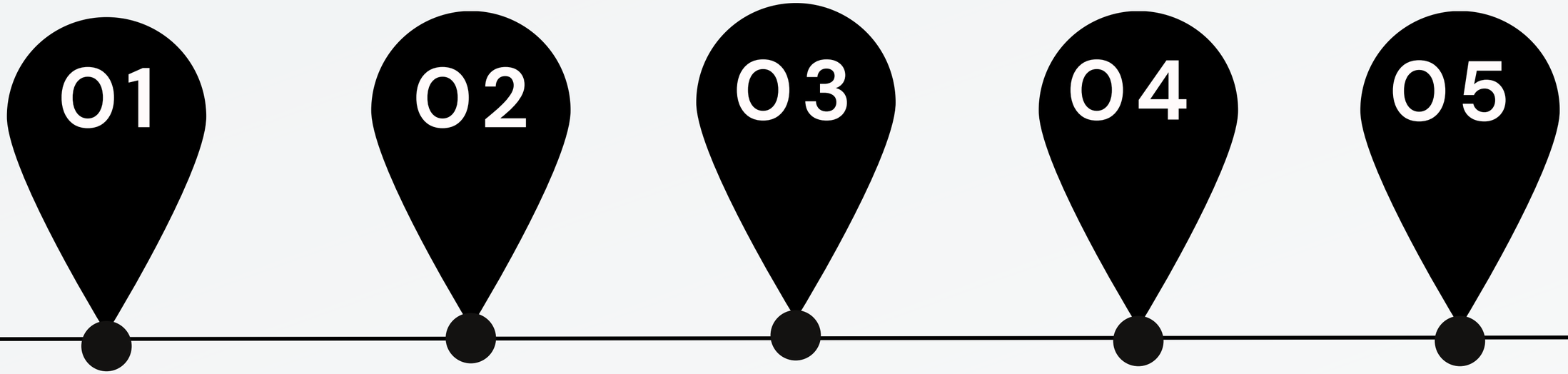
DESIGN

CSS (Cascading Style Sheets) is used to style and layout web pages. It is a language used to describe how HTML elements should be displayed on a web page. Here are some common properties used in web pages:

- Styling text
- Layout
- Colors and backgrounds
- Borders and outlines
- Accessibility
- Print styles
- Branding

CSS is interfaced with HTML and helps to design the page in various methods/ functions and alignments on the page.

WORK LOG



DAY 1

Revised HTML & CSS. Created the first user interface web page, which is the main page of the project which gets the input for the game.

DAY 2

Learned the basics of Java-Script and how to implement the algorithm in the HTML page.

DAY 3

Created the redirecting web pages and added contents for the pages for the FLAMES game.

DAY 4

Revised Java-Script algorithms and implemented in the HTML web page. Redirecting pages were linked according to the output which was implemented using JS algorithm.

DAY 5

All the web pages were designed using CSS.

CONCLUSION

In conclusion, this project has provided valuable insights into the topic at hand. Through meticulous research, thoughtful analysis and creative problem-soving, I've achieved my objective and contributed to a deeper understanding of the subject.

THANK YOU