CvSU Vision

The premier University in historic Cavite recognized for excellence in the development of globally competitive and morally upright individuals.

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CvSU Mission

Cavite State University shall provide excellent, equitable and relevant educational opportunities in the arts, sciences and technology through quality instruction and responsive research and development activities.
It shall produce professional, skilled and morally upright individuals for global competitiveness.

DEPARTMENT OF COMPUTER STUDIES
ITEC 106 – IT ELECTIVE 2 (WEB SYSTEM AND TECHNOLOGIES 2)

Name : Jonell Jefferson C. Fial II	Section : BSIT 3A
Assignment No : 3	Submission Date : April 6, 2024
Assignment Title: **Guessing Number Game**	

Code :

HTML FILE

```html
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Number Guessing Game</title>
</head>
<body>
<h1>Number Guessing Game</h1>
<p>Guess a number between 1 and 10:</p>
<input type="text" id="display">
<button onclick="output()">Enter</button>
<p id="output"></p>
</body>
</html>
```

JS FILE:

```js
let randomNumber = Math.floor(Math.random() * 10) + 1;
    let attempts = 0;

    function output() {
        let guess = parseInt(document.getElementById('display').value);

        let output = document.getElementById('output');

        if (isNaN(guess) || guess < 1 || guess > 10) {
            output.textContent = "Invalid input: Please input a number between 1 and 10.";
            return;
        }

        attempts++;

        if (guess === randomNumber) {
            output.textContent = `Congratulations! You've guessed the correct number (${randomNumber}) in ${attempts} attempts.`;
        } else if (guess < randomNumber) {
            output.textContent = "Too low! Try again.";
        } else {
            output.textContent = "Too high! Try again.";
        }
    }
```

SCREENSHOT

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Dictionary:

- **Math.floor** – rounds a number down
  Syntax: math.floor(x)
  Parameter: x (number to round down)
  This command was used to round down the generated random number
- **isNaN(value) -** Checks whether the given value is NaN (Not-a-Number).
  Syntax: isNaN(value)
  Parameter: value: The value to be tested. This can be any JavaScript value, such as a number, a string, or an expression.

- **JavaScript parseInt() function -** The parseInt() function is used to parse a string and convert it into an integer.
  Syntax: parseInt(string)
  Parameter: string: The string to be parsed into an integer.

- **textContent** The textContent property represents the text content of a node and its descendants. It can be used to set or retrieve the text content of an HTML element.
  Syntax: output.textContent = "Invalid input: Please input a number between 1 and 10.";
  Parameter: textContent: The text content to be set for the element.