CLIENT SIDE SCRIPTING	SERVER SIDE SCRIPTING
HTML, CSS, and javascript are used.	PHP, Python, Java, Ruby are used.
The source code is visible to the user.	The source code is not visible to the user because its output of server-sideside is an HTML page.
It does not provide security for data.	It provides more security for data.
Its main function is to provide the requested output to the end user.	Its primary function is to manipulate and provide access to the respective database as per the request.
It usually depends on the browser and its version.	In this any server-side technology can be used and it does not depend on the client.
It runs on the user's computer.	It runs on the webserver.

```
<script>
const person = {fname:"John", lname:"Doe", age:25};

let txt = "";
for (let x in person) {
   txt += person[x] + " ";
}

document.getElementById("demo").innerHTML = txt;
</script>
```

For in

```
const cars = ["BMW", "Volvo", "Mini"];
let text = "";
for (let x of cars) {
  text += x;
}
```

```
const fruits = new Map([
    ["apples", 500],
    ["bananas", 300],
    ["oranges", 200]
]);
```

```
// Create a Map
const fruits = new Map();

// Set Map Values
fruits.set("apples", 500);
fruits.set("bananas", 300);
fruits.set("oranges", 200);
```

```
fruits.get("apples");
```

```
typeof "John"
                              // Returns "string"
typeof 3.14
                              // Returns "number"
typeof NaN
                              // Returns "number"
                              // Returns "boolean"
typeof false
                              // Returns "object"
typeof [1,2,3,4]
typeof {name:'John', age:34} // Returns "object"
typeof new Date()
                             // Returns "object"
typeof function () {}
                              // Returns "function"
                              // Returns "undefined" *
typeof myCar
typeof null
                              // Returns "object"
```

```
javascript
     const str = "42";
    const num = parseInt(str);
    console.log(num); // 42
* String(): Convert values to strings:
    javascript
     const num = 42;
    const str = String(num);
    console.log(str); // "42"

    Number(): Convert values to numbers:

    javascript
     const str = "3.14";
    const num = Number(str);
    console.log(num); // 3.14
* Boolean(): Convert values to booleans:
const numbers = [1, 2, 3, 4, 5];
numbers.forEach(function(number, index, array) {
 console.log(`Element at index ${index}: ${number}`);
});
```

```
const newArray = originalArray.map(function(element, index, array) {
   // Code to transform or manipulate the element
   return transformedElement; // The transformed element to be added to the n
});
```

```
function outerFunction() {
  let outerVar = 10;

  function innerFunction() {
    let innerVar = 5;
    return outerVar + innerVar;
  }

  return innerFunction();
}

console.log(outerFunction()); // Output: 15
```

```
const person = {
  firstName: "John",
  lastName: "Doe",
  age: 30,
};
```

```
function Person(firstName, lastName, age) {
   this.firstName = firstName;
   this.lastName = lastName;
   this.age = age;
}

const john = new Person("John", "Doe", 30);
```

```
const person = {
 firstName: "John",
 lastName: "Doe",
 age: 30,
};
// Adding methods to the person object
person.fullName = function () {
 return `${this.firstName} ${this.lastName}`;
};
person.greet = function () {
 console.log(`Hello, my name is ${this.fullName()} and I am ${this.age} yea
};
 const person = new Object();
person.firstName = "John";
person.lastName = "Doe";
 person.age = 30;
```

```
function Person(firstName, lastName, age) {
   this.firstName = firstName;
   this.lastName = lastName;
   this.age = age;
}

const john = new Person("John", "Doe", 30);
const jane = new Person("Jane", "Smith", 25);
```

```
Class Example (ES6):
  javascript
                                                           Copy code
  class Person {
   constructor(firstName, lastName, age) {
     this.firstName = firstName;
     this.lastName = lastName;
     this.age = age;
   }
  }
  const john = new Person("John", "Doe", 30);
  const jane = new Person("Jane", "Smith", 25);
const number = 1234567.89;
const exponentialNotation = number.toExponential(2); // Con
console.log(exponentialNotation); // Output: "1.23e+6"
  javascript
   const number = 123.456789;
  const formattedNumber = number.toFixed(2); // Format the number
  console.log(formattedNumber); // Output: "123.46"
```

```
1. Length: Retrieve the length (number of characters) of a string.
                                                                            Copy code
     javascript
     const text = "Hello, World!";
     const length = text.length; // Returns 13
2. Access Characters: Access individual characters within a string by their index (0-based).
                                                                            Copy code
     javascript
     const text = "Hello";
     const firstChar = text[0]; // Returns "H"
3. Substring: Extract a portion of a string by specifying start and end indexes.
                                                                            Copy code
     javascript
     const text = "Hello, World!";
    const subString = text.substring(0, 5); // Returns "Hello"
4. Slice: Similar to 'substring', but can also accept negative indices.
                                                                            Copy code
    javascript
     const text = "Hello, World!";
     const sliced = text.slice(0, 5); // Returns "Hello"
                                                                                  S Regenerat
```

```
6. Convert to Upper/Lower Case:
                                                                            Copy code
    javascript
     const text = "Hello, World!";
    const upperCase = text.toUpperCase(); // Returns "HELLO, WORLD!"
     const lowerCase = text.toLowerCase(); // Returns "hello, world!"
7. Trim: Remove leading and trailing whitespace from a string.
    javascript
                                                                            Copy code
     const text = " Hello, World!
     const trimmed = text.trim(); // Returns "Hello, World!"
8. Replace: Replace a substring with another string.
                                                                            Copy code
    javascript
     const text = "Hello, World!";
     const replaced = text.replace("World", "Universe"); // Returns "Hello, Univ
 9. Split: Split a string into an array of substrings based on a delimiter.
                                                                        Copy code
     javascript
     const text = "apple,banana,cherry";
     const fruitsArray = text.split(","); // Returns ["apple", "banana", "cherry
10. Search and Match (Regular Expressions): Use regular expressions for more advanced
   searching and matching operations.
                                                                        Copy code
     javascript
     const text = "Hello, World!";
     const pattern = /Hello/g;
     const match = text.match(pattern); // Returns ["Hello"]
11. String Conversion: Convert values of other data types to strings.
     javascript
                                                                        Copy code
     const num = 42;
     const strNum = num.toString(); // Converts number to string
```

```
javascript
                                                            Copy code
 const text = "apple,banana,cherry,grape";
 // Split the string at commas, limiting to 2 splits
 const fruitsArray = text.split(",", 2);
 console.log(fruitsArray); // Output: ["apple", "banana"]
  const text = "Hello, World!";
  const searchTerm = /World/;
  const index = text.search(searchTerm);
  if (index !== -1) {
    console.log(`"${searchTerm}" found at index ${index}`);
  } else {
    console.log(`"${searchTerm}" not found in the string`);
  }
const specificDate = new Date(2023, 8, 13, 12, 0, 0, 0);
// Year: 2023, Month: September (0-based), Day: 13, Hour: 12 (noon
 const dateString = "2023-09-13T12:00:00Z";
 const dateFromDateString = new Date(dateString);
```

Date and Time: YYYY-MM-DDTHH:MM:SS (e.g., "2023-09-13T12:00:00" for September 13, 2023, at 12:00:00)

```
<!DOCTYPE html>
<html>
<head>
  <title>Continuous Time Display</title>
</head>
<body>
  <div id="clock"></div>
  <script>
    function updateClock() {
      const clockElement = document.getElementById('clock');
      const now = new Date();
      const hours = now.getHours().toString().padStart(2, '0');
      const minutes = now.getMinutes().toString().padStart(2, '0');
      const seconds = now.getSeconds().toString().padStart(2, '0');
      const timeString = `${hours}:${minutes}:${seconds}`;
      clockElement.textContent = timeString;
    }
    // Update the clock every second (1000 milliseconds)
    setInterval(updateClock, 1000);
    // Call updateClock immediately to set the initial time
    updateClock();
  </script>
</body>
</html>
                                                                       S Regen
javascript
                                                                  Copy code
const year = currentDate.getFullYear();
const month = currentDate.getMonth(); // 0-based (January is 0)
const day = currentDate.getDate();
const hours = currentDate.getHours();
const minutes = currentDate.getMinutes();
const seconds = currentDate.getSeconds();
const milliseconds = currentDate.getMilliseconds();
```

The `.padStart(2, '0')` method is used to ensure that the hours, minutes, and seconds in the displayed time format always have two digits, with leading zeros if necessary. This ensures that the time is consistently formatted as HH:MM:SS, even when any of the time components (hours, minutes, or seconds) is less than 10.

# MATH ko lagi book

```
const numbers = [5, 10, 2, 8, 3];
const minValue = Math.min(...numbers);
console.log(minValue); // Output: 2
```

```
1. `window.open(url, name, features)`:

    Opens a new browser window or tab with the specified URL and options.

                                                                          Copy code
     javascript
     window.open('https://example.com', '_blank', 'width=600,height=400');
2. `window.setTimeout(callback, delay)` and `window.setInterval(callback,
  interval):

    Allow you to execute functions after a specified delay or at regular intervals.

     javascript
                                                                          Copy code
     setTimeout(() => {
       console.log('Delayed function executed.');
    }, 2000); // Execute after 2 seconds
     setInterval(() => {
       console.log('Function executed at intervals.');
     }, 1000); // Execute every 1 second
 3. `window.scrollTo(x, y)` and `window.scrollBy(x, y)`:

    Scroll the document to an absolute position or by a relative amount.

                                                                             Copy code
      javascript
      window.scrollTo(0, 500); // Scroll to the y-coordinate 500px
      window.scrollBy(0, 100); // Scroll down by 100px
 4. `window.addEventListener(event, handler)`:
     * Allows you to attach event listeners to the `window` object to respond to various events
       like "load," "resize," and "scroll."
                                                                             Copy code
      javascript
      window.addEventListener('resize', () => {
        console.log('Window was resized.');
      });
```

### **LOOK BOOK**

1. `window.history.back()`:

Navigates to the previous page in the session history.

javascript

```
window.history.back();
```

# 2. `window.history.forward()`:

Navigates to the next page in the session history.

javascript

```
window.history.forward();
```

- 3. `window.history.go(delta)`:
  - Navigates to a specific page in the session history based on a repositive 'delta' value moves forward in history, and a negative backward.

javascript

```
// Go back two pages in history
window.history.go(-2);
```



```
3. `window.innerWidth` and `window.innerHeight`:

    Represent the inner width and inner height of the browser window, excluding toolbars

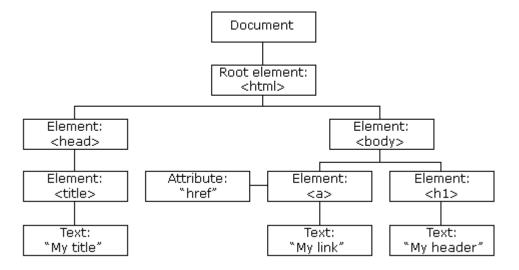
     and scrollbars.
                                                                            Copy code
    javascript
     console.log(`Window width: ${window.innerWidth}`);
    console.log(`Window height: ${window.innerHeight}`);
4. `window.screen`:

    Provides information about the user's screen, such as screen dimensions and pixel

     density.
    javascript
                                                                            Copy code
    console.log(`Screen width: ${window.screen.width}`);
    console.log(`Screen height: ${window.screen.height}`);
5. `window.history`:

    Allows you to manipulate the browser's history and navigate backward and forward.

                                                                            Copy code
    javascript
    window.history.back(); // Navigate back in history
    window.history.forward(); // Navigate forward in history
  1. `window.alert()` - Displaying an Alert Message:
      javascript
                                                                            Copy code
      const message = "This is an alert!";
      window.alert(message);
    When you run this code, it will display a dialog box with the specified message and an "OK"
    button. The user can click "OK" to dismiss the dialog.
 2. `window.confirm()`-Confirming User Actions:
                                                                            Copy code
      javascript
      const confirmation = window.confirm("Do you want to proceed?");
      if (confirmation) {
        console.log("User confirmed!");
      } else {
        console.log("User canceled.");
      }
```



- Use `innerHTML` when you want to manipulate or extract content that includes HTML markup, such as working with rich text or modifying the structure of the content.
- Use `innerText` when you want to manipulate or extract plain text content, treating any HTML tags as text rather than rendering them.

```
const backgroundColor = element.style.backgroundColor;
const fontSize = element.style.fontSize;
```

```
const element = document.getElementById('myElement');

// Add a CSS class
element.classList.add('myClass');

// Remove a CSS class
element.classList.remove('anotherClass');
```

```
Note that `style` retrieves only inline styles set directly on the element. To get computed styles (including those from stylesheets), you can use `window.getComputedStyle`:

javascript

const element = document.getElementById('myElement');

const computedStyles = window.getComputedStyle(element);

const backgroundColor = computedStyles.backgroundColor;

const fontSize = computedStyles.fontSize;
```

```
document.addEventListener('keydown', (event) => {
  if (event.key === 'Enter') {
    alert('Enter key pressed!');
  }
});
```

## LOOK at BOOK PG 94 SEE PG 100

```
1 const regex = ""
2 const text = "Harry is a very very nice awesome nice very boy"
3 console.log(text.replace("very", "VERY"))
```

**PHP** 

```
$number = 42;
$name = "John";
$colors = ["red", "green", "blue"];
var_dump($number);
var_dump($name);
var_dump($colors);
```

The output would be something like this:

```
int(42)
string(4) "John"
array(3) {
   [0]=>
   string(3) "red"
   [1]=>
   string(5) "green"
   [2]=>
   string(4) "blue"
}
```

```
$myArray = [1, 2, 3, 4, 5];
$length = count($myArray);
echo "The length of the array is: " . $length;
```

```
function add() {
    $numArgs = func_num_args();
    if ($numArgs == 2) {
        $args = func_get_args();
        return $args[0] + $args[1];
    } elseif ($numArgs == 3) {
        $args = func_get_args();
        return $args[0] + $args[1] + $args[2];
    } else {
        return "Unsupported number of arguments";
    }
}
// Example usage:
result1 = add(1, 2);
echo $result1; // Output: 3
\frac{1}{2} $\text{result2} = \text{add(1, 2, 3);}
echo $result2; // Output: 6
result3 = add(1, 2, 3, 4);
echo $result3; // Output: Unsupported number of arguments
```

### fun\_get\_arg(arg\_index)

```
$globalVar = 42; // Declare a global variable

function accessGlobal() {
    global $globalVar; // Use the GLOBAL keyword to access the
    echo "The global variable is: " . $globalVar;
}

accessGlobal(); // Output: The global variable is: 42
```

```
Copy code
  $array = ["apple", "banana", "cherry"];
  // Convert the array to a string separated by commas
  $string = implode(", ", $array);
  echo $string;
Output:
                                                                              Copy code
  apple, banana, cherry
                                                                             Copy code
    php
    string date(string $format, int $timestamp = time());
  Here are some common format codes used with the `date()` function:
 * 'Y': Year with 4 digits (e.g., "2023").
 * `y`: Year with 2 digits (e.g., "23").
 • `m`: Month as a 2-digit number (e.g., "09" for September).
 * `d`: Day of the month as a 2-digit number (e.g., "13").

    'H': Hour in 24-hour format (e.g., "14" for 2 PM).

 • `i`: Minutes (e.g., "05").
 * `s`: Seconds (e.g., "37").
 • `A`: "AM" or "PM" (e.g., "PM").
```

```
try {
    // Code that may throw an exception
    $result = 10 / 0; // This will throw a DivisionByZeroError
} catch (DivisionByZeroError $e) {
    // Code to handle the exception
    echo "Division by zero error: " . $e->getMessage();
} catch (Exception $e) {
    // Catch more general exceptions (if needed)
    echo "An error occurred: " . $e->getMessage();
} finally {
    // Optional: Code that will always run, regardless of whether an exceptiecho "This code always runs.";
}
```

```
let display = document.getElementById('display');
let buttons = Array.from(document.getElementsByClassName('button'));
buttons.map( button => {
    button.addEventListener('click', (e) => {
        switch(e.target.innerText){
                 display.innerText = '';
                 break;
                 if(display.innerText){
                     display.innerText = display.innerText.slice(0, -1);
                 break;
                 display.innerText = eval(display.innerText);
                 break;
             default:
                 display.innerText += e.target.innerText;
    javascript
                                                                      Copy code
    let fruits = ['apple', 'banana'];
    fruits.push('cherry');
    console.log(fruits); // ['apple', 'banana', 'cherry']
1. pop(): Removes and returns the last element of an array.
    javascript
                                                                      Copy code
    let fruits = ['apple', 'banana', 'cherry'];
    let removedFruit = fruits.pop();
    console.log(removedFruit); // 'cherry'
1. unshift(): Adds one or more elements to the beginning of an array and returns the new
  length of the array.
                                                                      Copy code
    javascript
    let fruits = ['banana', 'cherry'];
    fruits.unshift('apple');
    console.log(fruits); // ['apple', 'banana', 'cherry']
```

```
1. shift(): Removes and returns the first element of an array.
                                                                         Copy code
   javascript
   let fruits = ['apple', 'banana', 'cherry'];
   let removedFruit = fruits.shift();
   console.log(removedFruit); // 'apple'
1. concat(): Combines two or more arrays and returns a new array.
                                                                         Copy code
   javascript
   let fruits1 = ['apple', 'banana'];
   let fruits2 = ['cherry', 'orange'];
   let combined = fruits1.concat(fruits2);
   console.log(combined); // ['apple', 'banana', 'cherry', 'orange']
1. join(): Joins all elements of an array into a string using a specified separator.
                                                                         Copy code
   javascript
   let fruits = ['apple', 'banana', 'cherry'];
   let fruitString = fruits.join(', ');
   console.log(fruitString); // 'apple, banana, cherry'
                                                                               S Regenerate
```

```
Copy code
   javascript
   let fruits = ['apple', 'banana', 'cherry', 'date'];
   let slicedFruits = fruits.slice(1, 3);
   console.log(slicedFruits); // ['banana', 'cherry']
1. splice(): Changes the contents of an array by removing or replacing existing elements
  and/or adding new elements.
                                                                        Copy code
   javascript
   let fruits = ['apple', 'banana', 'cherry'];
   fruits.splice(1, 1, 'orange'); // Remove 1 element starting from index 1 and
   console.log(fruits); // ['apple', 'orange', 'cherry']
1. forEach(): Executes a provided function once for each array element.
                                                                        Copy code
   javascript
   let numbers = [1, 2, 3];
   numbers.forEach(function (num) {
       console.log(num);
   });
```

An immediately invoked function expression (IIFE) is a JavaScript function that is defined and executed immediately after its creation. It is often used to create a private scope for variables to avoid polluting the global scope. Here's an example of an IIFE in JavaScript: Copy code javascript (function() { // This code is inside the IIFE and has its own scope var message = "Hello, IIFE!"; console.log(message); // Output: Hello, IIFE! })(); // The variable 'message' is not accessible outside the IIFE // Trying to access it here would result in an error console.log(message); // Error: message is not defined In this example: 1. We define an anonymous function using `(function() { ... })`. 2. Inside the function, we create a variable `message` and log it to the console. 3. Immediately after defining the function, we use `()` to invoke it, executing the code S Regenerate

```
Copy code
html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Date Picker Example</title>
  <!-- Include jQuery -->
  <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>
 <!-- Include jQuery UI (datepicker) -->
  <link rel="stylesheet" href="https://code.jquery.com/ui/1.12.1/themes/base</pre>
  <script src="https://code.jquery.com/ui/1.12.1/jquery-ui.js"></script>
</head>
<body>
  <label for="datepicker">Select a Date:</label>
  <input type="text" id="datepicker">
  <script>
    $(function() {
      // Initialize the date picker
     $("#datepicker").datepicker();
    });
  </script>
</body>
</html>
                                                                       S Regener
```

```
<body>
    <h1>Data Synchronization Example</h1>
    <div id="phpData"></div>
    <button id="fetchData">Fetch Data from PHP</button>
    <script>
        document.addEventListener("DOMContentLoaded", function () {
            // Function to fetch data from PHP and update the page
            function fetchDataFromPHP() {
                var xhr = new XMLHttpRequest();
                xhr.onreadystatechange = function () {
                    if (xhr.readyState === 4 && xhr.status === 200) {
                        var response = JSON.parse(xhr.responseText);
                        document.getElementById('phpData').innerHTML = 'Data
                    }
                };
                xhr.open('GET', 'fetch_data.php', true);
                xhr.send();
            }
            // Fetch data from PHP when the button is clicked
            document.getElementById('fetchData').addEventListener('click', f
        });
    </script>
</body>
                                                                        ର Reger
</html>
                                                                  Copy code
  php
   <?php
   // Simulate fetching data from a database or any other source
  $dataFromPHP = [
      'message' => 'Hello from PHP!'
  ];
  // Set the response content type to JSON
  header('Content-Type: application/json');
  // Send the data as JSON to the JavaScript frontend
  echo json_encode($dataFromPHP);
```

```
In PHP, you can use a `foreach` loop to iterate over the elements of an array and access
each element in turn. Here's how you can use a `foreach` loop to access elements in an
array:
 php
                                                                    Copy code
 <?php
 // Sample array
 $fruits = ["apple", "banana", "cherry", "date"];
 // Using a foreach loop to access elements
 foreach ($fruits as $fruit) {
     echo $fruit . "<br>";
 }
In this example:
We have an array named `$fruits` containing several fruit names.
We use a 'foreach' loop to iterate over each element in the array.
Inside the loop, the '$fruit' variable represents the current element being processed
during each iteration. You can use this variable to access the value of the current element.
We 'echo' each element followed by a line break ('<br>') to display them on separate
 const form = document.guerySelector('form');
 const nameInput = form.querySelector('input[name="name"]');
 function validateName() {
   if (nameInput.value.length === 0) {
      alert('Please enter your name.');
      return false;
   return true;
 }
 form.addEventListener('submit', validateName);
```

Event	Description
onchange	An HTML element has been changed
onclick	The user clicks an HTML element
onmouseover	The user moves the mouse over an HTML element
onmouseout	The user moves the mouse away from an HTML element
onkeydown	The user pushes a keyboard key
onload	The browser has finished loading the page

- 1. click: Triggered when a user clicks an element, such as a button or a link.
- 2. mousedown: Fired when a mouse button is pressed down over an element.
- 3. **mouseup:** Fired when a mouse button is released after being pressed down over an element.
- 4. mouseenter: Triggered when the mouse cursor enters an element.
- 5. mouseleave: Triggered when the mouse cursor leaves an element.
- mouseover: Fired when the mouse cursor enters an element or moves over its child elements.
- 7. **mouseout:** Fired when the mouse cursor leaves an element or moves over its child elements
- 8. keydown: Fired when a key on the keyboard is pressed down.
- 9. keyup: Fired when a key on the keyboard is released.
- 10. keypress: Triggered when a key on the keyboard is pressed and released.
- 11. submit: Fired when a form is submitted, either by clicking a submit button or pressing Enter.
- 12. focus: Triggered when an element receives focus (e.g., when you click inside an input field).
- 13. **blur:** Fired when an element loses focus (e.g., when you click outside an input field after interacting with it).
- 14. load: Triggered when a web page or a specific resource (like an image) finishes loading.
- 15. **unload:** Fired when a web page is being unloaded, either by closing the tab or navigating to another page.
- 16. resize: Triggered when the size of the browser window is changed.
- 17. scroll: Fired when the user scrolls a web page, either vertically or horizontally.

G Regenerate

```
const form = document.querySelector('form');
const formData = new FormData(form);

const xhr = new XMLHttpRequest();
xhr.open('POST', '/api/submit');
xhr.send(formData);
```

The echo and print statements are used to output data in PHP. They are both very similar, but there are some subtle differences between them.

- Echo: Echo is a statement, while print is a function. This means that echo does not return a value, while print returns the number of characters that were output.
- Echo: Echo can take multiple parameters, while print can only take one.
- Echo: Echo is marginally faster than print.
- 4. Function Methods: JavaScript functions have several built-in methods, such as `call()`, `apply()`, and `bind()`, which allow you to control the context (the value of `this`) and pass arguments explicitly when invoking a function.

```
javascript

function greet(greeting) {
  console.log(`${greeting}, ${this.name}!`);
}

const person = { name: "Alice" };

// Using call() to invoke the function with a specific context and argument greet.call(person, "Hi");

// Using apply() to do the same but with an array of arguments greet.apply(person, ["Hello"]);

// Using bind() to create a new function with a fixed context (person) and const greetAlice = greet.bind(person, "Hey");
greetAlice(); // Invoking the bound function
```

```
<?php
// Connect to the database
$mysqli = new mysqli('localhost', 'root', '', 'my_db');
if ($mysqli->connect_error) {
 die('Error connecting to the database: ' . $mysqli->connect_error);
// Get the file
$file = $_FILES['file'];
// Check if the file is uploaded successfully
if ($file['error'] !== UPLOAD ERR OK) {
 die('An error occurred.');
// Check the file size
if ($file['size'] > 5000000) {
 die('The file size must be less than 5MB.');
// Check the file type
$allowedFileTypes = array('docx', 'pdf');
if (!in_array($file['type'], $allowedFileTypes)) {
  die('The file type must be .docx or .pdf.');
```

```
// Get the file name
$fileName = $file['name'];

// Move the file to the upload directory
move_uploaded_file($file['tmp_name'], 'uploads/' . $fileName);

// Insert the file into the database
$sql = 'INSERT INTO files (name) VALUES (:name)';
$stmt = $mysqli->prepare($sql);
$stmt->bindParam(':name', $fileName);
$stmt->execute();

// Close the connection to the database
$mysqli->close();

// Redirect to the success page
header('Location: success.php');

?>
```

- preventDefault(): Prevents the default behavior of the event.
- stopPropagation(): Stops the event from bubbling up the DOM hierarchy.
- target: The element that the event was triggered on.
- currentTarget: The element that the event is currently bubbling through.
- cancelBubble: Boolean value that indicates whether the event should bubble up the DOM hierarchy.
- timeStamp: The time at which the event occurred.

```
SQL
```

```
DELETE FROM table_name WHERE id = 1;
```

Use code with caution. Learn more

#### SQL

```
SELECT category, COUNT(*) AS total_products
FROM products
GROUP BY category
ORDER BY price DESC;
```

Use code with caution. Learn more

The ORDER BY clause can also be used to sort the results of a query without will sort the rows of the products table by the price column:

#### SQL

```
SELECT *
FROM products
ORDER BY price DESC;
```

Use code with caution. Learn more