

1. Variable Declaration and Initialization:

- Declare and initialize variables for a **user's name, age, and email address**.
- Use appropriate data types for each variable (e.g., string for the name, number for age).

2. User Interaction:

- Create a simple HTML form that asks the user to input their **name, age, and email address**.
- Use JavaScript to handle form submission and capture the input values.

3. Data Type Conversion:

- Validate the user's age input to ensure it's a number. If it's not, convert it to a number data type.
- Convert the user's name to uppercase and display it on the web page.

4. String Manipulation:

- Concatenate the user's name with a welcome message, e.g., "Hello, [User's Name]!"
- Display the concatenated message on the web page.

5. Conditional Statements:

- Check if the user is of legal drinking age (e.g., 21 or older).
- Display a message on the web page indicating whether the user can legally drink or not based on their age.

6. Output:

- Display all the collected information (name, age, email) and the drinking age message on the web page.

Variable Declaration and Initialization

```
let name = document.getElementById("name").value;
let age = Number(document.getElementById("age").value); // Convert age to a number
let email = document.getElementById("email").value;
```

User Interaction

```
<form id="userForm">
  <label for="name">Name:</label>
  <input type="text" id="name" required><br><br>

  <label for="age">Age:</label>
  <input type="number" id="age" required><br><br>

  <label for="email">Email:</label>
  <input type="email" id="email" required><br><br>

  <input type="submit" value="Submit">
</form>

document.getElementById("userForm").addEventListener("submit",
function(event) {
  event.preventDefault(); // Prevent form submission
```

Data Type Conversion

```
let age = Number(document.getElementById("age").value); // Convert age to a number

name = name.toUpperCase();
```

String Manipulation

```
let welcomeMessage = "Hello, " + name + "!";
document.getElementById("welcomeMessage").textContent = welcomeMessage;
```

Conditional Statements

```
if (age >= 21) {
    ageMessage += "You are legally allowed to drink.";
} else {
    ageMessage += "You are not legally allowed to drink.";
}
document.getElementById("ageMessage").textContent = ageMessage;
```

Output

```
<p id="welcomeMessage"></p>
<p id="ageMessage"></p>

#These 2 paragraphs grab the welcomeMessage and ageMessage variables, and
displays them below the form.
```