Module 2 - Final Project6_ternary_operators_constructors Assignment - Model Answer

```html
<!--index.html-->

<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <title>Project6_ternary_operators_constructors</title>
    <script src="JS/main.js"></script>
  </head>

  <body>
    <!--Getting input from user and calling Ride_Function()-->
    <p>Riders must be at least 52 centimeters tall to ride.</p>
    <input id="Height" value="0" />
    <button onclick="Ride_Function()">Click Here</button>
    <p id="Ride"></p>

    <!--Calling myFunction()-->
    <button onclick="myFunction()">Click Here!</button>
    <p id="Keywords_and_Constructors"></p>

    <!--Calling the nested function add_Strings()-->
    <p id="Nested_Function" onclick="add_Strings()">Click Me</p>
  </body>
</html>
```

```javascript
//main.js

//A function with HTML and JS using a ternary operation with input from the browser
function Ride_Function() {
    var Height = document.getElementById("Height").value;
    var Can_ride = Height < 52 ? "You are too short " : "You are tall enough ";
    document.getElementById("Ride").innerHTML = Can_ride + "to ride";
}

//A constructor function utilizing "new" and "this" keywords
function Vehicle(Make, Model, Year, Color) {
    this.Vehicle_Make = Make;
    this.Vehicle_Model = Model;
    this.Vehicle_Year = Year;
    this.Vehicle_Color = Color;
}
var Jack = new Vehicle("Dodge", "Viper", 2020, "Red");
var Emily = new Vehicle("Jeep", "Trail Hawk", 2019, "White and Black");
var Erik = new Vehicle("Ford", "Pinto", 1971, "Mustard");

//A function to display the results of the constructor in an HTML element
function myFunction() {
    document.getElementById("Keywords_and_Constructors").innerHTML =
        "Erik drives a " +
        Erik.Vehicle_Color +
        "-colored " +
        Erik.Vehicle_Model +
        " manufactured in " +
        Erik.Vehicle_Year;
}

//A nested function
function add_Strings() {
    var start_string = "Hello";

    function Adding(str) {
        start_string = start_string + " " + str;
    }
    Adding("World");
    document.getElementById("Nested_Function").innerHTML = start_string;
}
```