

## WEB UI PROGRAMMING IT076

## LAB 3 - Advanced JavaScript Techniques

- 1. Scope of Knowledge:
  - Understand advanced JavaScript programming techniques
  - Understand JSON, Web APIS, ¡Query
- 2. Materials/Softwares/Tools:
  - Visual Studio Code
  - Chrome
- 3. Coding Convention:
- 4. Exercises:

}

**Exercise 1:** Write the following script to practice arrow function:

```
<!DOCTYPE html>
<html>
<body>
<h2>JavaScript "this"</h2>
This example demonstrates that in a regular function, the "this" keyword represents
different objects depending on how the function was called.
Click the button to execute the "hello" function again, and you will see that this time
"this" represents the button object.
<button id="btn">Click Me!</button>
<script>
var hello:
hello = function() {
 document.getElementById("demo").innerHTML += this;
```



```
//The window object calls the function:
window.addEventListener("load", hello);
//A button object calls the function:
document.getElementById("btn").addEventListener("click", hello);
</script>
</body>
</html>
    Exercise 2: Write a script to convert a JSON text to a JavaScript object.
<!DOCTYPE html>
<html>
<body>
<h2>Create Object from JSON String</h2>
<script>
var text = '{"employees":[' +
'{"firstName":"John","lastName":"Doe" },' +
'{"firstName":"Anna","lastName":"Smith"},'+
'{"firstName":"Peter","lastName":"Jones" }]}';
obj = JSON.parse(text);
document.getElementById("demo").innerHTML =
obj.employees[1].firstName + " " + obj.employees[1].lastName;
</script>
</body>
```

</html>



**Exercise 3:** Create a jQuery form validation script for the following form:

