

Week 1 Lab 1 Section A Quiz [11]

Name: _____

Date: _____

1) Can I write my code this way? Explain why [2]

```
function a() {  
  let name;  
  b();  
}  
function b() {  
  name = 'Andrei';  
}  
a();
```

No. The issue here is that we declare a function-scope variable 'name' and trying to access it from outside scope in function b(). Function b doesn't belong to scope of function a because it is not declared inside of function a, it is invoked (called) inside of function a. As a result when calling function b, JS will create a new, global variable 'name' and assign value 'Andrei' to it, which is not the intended behaviour.

2) Explain what is 'formLocation' here? [1]

```
document.forms.formLocation;
```

It is the value of 'name' attribute of a 'form' tag

3) Write JS code to get a value from a "phone" field [2]

HTML

```
<form name="subscribe"><input name="phone"></form>
```

JS

```
const subscribeForm = document.forms.subscribe;  
const phoneValue = subscribeForm.phone.value;
```

4) Create a JS function to listen to click on the links and to change title to "French" if French link was clicked, change title to "English" if English link was clicked: [6]

HTML

```
<h1><span id="location">Spanish</span></h1>
<a href="query.html?lang=en" id="en">English</a>
<a href="query.html?lang=fr" id="fr">French</a>
```

JS

```
const englishButton = document.getElementById('en');
const frenchButton = document.getElementById('fr');
const locationSpan = document.getElementById('location');
englishButton.addEventListener('click', function(e) {
    e.preventDefault();
    locationSpan.textContent = 'English';
});
frenchButton.addEventListener('click', function(e) {
    e.preventDefault();
    locationSpan.textContent = 'French';
});
```