



Front-end Advanced

Training Assignment

| | |
|----------------|----------------------|
| Document Code | 25e-BM/HR/HDCV/FSOFT |
| Version | 1.1 |
| Effective Date | 7/1/2019 |

Hanoi, mm/yyyy

RECORD OF CHANGES

| No | Effective Date | Change Description | Reason | Reviewer | Approver |
|----|----------------|-------------------------|------------|----------|----------|
| 1 | 30/May/2019 | Create a new assignment | Create new | DieuNT1 | VinhNV |
| 2 | 07/Jun/2019 | Update Fsoft Template | Update | DieuNT1 | VinhNV |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Contents

| | |
|----------------------------------|---|
| Unit 1: Types and Coercion | 4 |
| Objectives: | 4 |
| Problem 01 | 4 |
| Problem 02 | 4 |
| Problem 03 | 4 |
| Problem 04 | 4 |



| | |
|-----------|-------------|
| CODE: | JS-A.S.A101 |
| TYPE: | Medium |
| LOC: | N/A |
| DURATION: | 120 |

Unit 1: Types and Coercion

Objectives:

- Understand Advanced JavaScript concepts such as: Types, Number, Coercion

Problem 01

Evaluate the following code, what is the output?

```
1. function empty(o) {  
2.     o = null;  
3. }  
4.  
5. var x = [];  
6. empty(x);  
7. console.log(x); // ??
```

Problem 02

Evaluate the following code, what is the output?

```
1. function swap(a, b) {  
2.     var tmp = a;  
3.     a = b;  
4.     b = tmp;  
5. }  
6.  
7. var x = 1;  
8. var y = 2;  
9.  
10. swap(x, y);  
11. console.log(x); // ??
```

Problem 03

Write a function reverse that takes a string s from snake_case to PascalCase

Example:

reverse('user_name') == 'UserName' // true

Problem 04

Write a function mul that takes 2 numbers return the product of those 2 as string.

The first number can be **very large**.

The second number is from 1 to 99.

Example:

mul(12345678910111213, 89) == '1098765422999897957'