Front-end Advanced

Training Assignment

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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

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); // ?? null
```

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); // ??  1,2
```

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