**Advance JavaScript Assignment**

**Module – 1(Introduction and code quality)**

**1: Write a program to Show an alert**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Document</title>

</head>

<body>

<script>

alert("This is alert box");

</script>

</body>

</html>

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**2: What will be the result for these expressions?**

5 > 4 → true

"apple" > "pineapple" → false

"2" > "12" → true

undefined == null → true

undefined === null → false

null == "\n0\n" → false

null === +"\n0\n" → false

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**3: Will alert be shown? if ("0") { alert( 'Hello'); }**

Any string except an empty one (and "0" is not empty) becomes true in the logical context.

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<title>Document</title>

</head>

<body>

<script>

if ("0"){

alert( 'Hello' );

}

</script>

</body>

</html>

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**4: What is the code below going to output? alert( null || 2 || undefined );**

The answer is 2, that’s the first truthy value.

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<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Document</title>

</head>

<body>

<script>

alert( null || 2 || undefined );

</script>

</body>

</html>

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**5:The following function returns true if the parameter age is greater than 18. Otherwise it asks for a confirmation and returns its result:**

function checkAge(age){

if (age> 18) { return true; }

else {

// ...return confirm (‘did parents allow you?');

}

}

**1. Using a question mark operator ?**

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<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Document</title>

</head>

<body>

<script>

function checkAge(age) {

return (age > 18) ? true : confirm('Did parents allow you?');

}

</script>

</body>

</html>

**2. Using OR || (the shortest variant):**

<!DOCTYPE html>

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<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Document</title>

</head>

<body>

<script>

function checkAge(age) {

return (age > 18) || confirm('Did parents allow you?');

}

</script>

</body>

</html>

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**6: Replace Function Expressions with arrow functions in the code below:**

Function ask(question, yes, no){

if (confirm(question))yes();

else

no();

}

ask("Do you agree?", function(){

alert("You agreed."); },

function() {

alert("You canceled the execution."); }

}

ans:

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<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Document</title>

</head>

<body>

<script>

function ask(question, yes, no){

if (confirm(question)) yes();

else no();

}

ask("Do you agree?",() => alert("You agreed."),

() => alert("You canceled the execution.")

);

</script>

</body>

</html>