**MODULE: 1 (Introduction and Code Quality)**

**Question 1:-**Write a program to Show an alert .

**ANS** :<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Practical-12</title>

</head>

<body>

<Script>

alert("This is alert alert!");

</Script>

</body>

</html>

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

**Ans:**

**1. 5 > 4**

=> If we try to execute this expression in chrome or any other brower’s console we will get Boolean value “true”.

**2. “apple” > “pineapple”**

=> If we try to execute this expression in chrome or any other brower’s console we will get Boolean value “false”.

**3. "2" > "12”**

=> It returns with the Boolean value “true”.

**4. undefined == null**

=> it returns with the true Boolean value.

**5. undefined === null**

=> it returns with false Boolean value.

**6. null == "\n0\n"**

=> it returns with false Boolean value.

**7. null === +"\n0\n"**

=> it returns with false Boolean value.

**Question 3:-**Will alert be shown?

**Ans:**

<script>

"use strict";

if ("0") {

alert('Hello”);

}

</script>

This will definitely shows alert box.

**Question 4.** What is the code below going to output?

alert( null ||2|| undefined );

**Ans:** it shows 2 as an answer for given statement.

**Question 5 :-**The following function returns true if the parameter age is greater than18. Otherwise, it asks for a confirmation and returns its result:

**Ans:**

<body>

<script>

function checkAge(age) {

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

}

function checkAge(age) {

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

}

</script>

</body>

**Question 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:**

<body>

<script>

"use strict";

ask(question, yes, no) => {

if (confirm(question)) yes();

}else no();

ask("Do you agree?"),

() => alert("You agreed."),

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

);

</script>

</body>