**WEB DESIGN AND DEVELOPMENT**

**REPORT**

**14/3/2023**

Anand Narayanan N

21i205

**QUESTIONS** :

Answer all the following questions:

**1.** Write a Javascript function to demonstrate an iterative function.

function countdown(start) {

for (let i = start; i >= 0; i--) {

console.log(i);

}

}

countdown(5);

// Output: 5 4 3 2 1 0

**2.** What is the currying function? Give an example.

function add(x){

return function(y){

return x + y;

}

}

console.log("Answer : ", add(3)(8))

**3.**Write a program for conditional operator in javascript

//Pass Check

let mark = 50;

let message = mark > 35 ? "Pass" : "Fail";

console.log(message)

**4.**Give example for anonymous function.

//Addition

let add = function(x, y){

return x + y

};

console.log("Answer : ", add(9, 8));

**5.**Demonstrate property on Object constructor - static method.

class display{

constructor(msg){

this.msg = msg;

}

static fun(){

return "Hello World";

}

fun2(){

return this.msg;

}

}

let displayObj = new display("Hola");

//console.log(displayObj.addfun()) //Shows Error : TypeError: addObj.addfun is not a function

console.log("Static Function : ", display.fun(), "\nNormal Function : ", displayObj.msg);

6.a) Create a registration form (with text box, text area, password, email, ph no, check boxes, radio buttons, prompt and confirm boxes), do validation for all the fields **(provide custom messages)**

b) How to check script is enabled or not - demonstrate  
 c) Demonstrate Auto-filling one field same as other

let x = document.forms["form1"]["fname"].value;

if(x == ""){

alert("Field is Empty");

return false;

}

}

</script>

</head>

<body>

<form name="form1" onsubmit="return formvalidation()">

<label>Name : </label>

<input type = "text" name="fname" size="40"><br>

<input type = "submit" name="subButton" value="submit">

</form>

</body>

</html>

7. Demonstrate the use of Regular expressions with an example.  
 <html>

<head>

<title>Form</title>

<script>

function numbervalidation(){

let x = document.forms["form1"]["number"].value;

if(x != '^\d{10}$'){

alert("Number Field is Invalid");

return false;

}

}

</script>

</head>

<body>

<form name="form1" onsubmit="return numbervalidation()">

<label>Number : </label>

<input type = "text" name="number" size="40"><br>

<input type = "submit" name="subButton" value="submit">

</form>

</body>

</html>

**8.** Create a Form Dynamically with the JavaScript  
 <html>

<head>

<title>JS Form</title>

</head>

<body>

<button onClick=" Form() ">

Click

</button>

</body>

<script>

function Form(){

var f = document.createElement("form");

var name = document.createElement("input");

name.setAttribute("type", "text");

name.setAttribute("name", "FullName")

name.setAttribute("placeholder", "FullName");

f.appendChild(name);

}

</script>

</html>

9. Demonstrate the creation and different implementations of JavaScript Classes.

constructor(msg){

this.msg = msg;

}

static fun(){

return "Hello World";

}

fun2(){

return this.msg;

}

}

let displayObj = new display("Hola");

//console.log(displayObj.addfun()) //Shows Error : TypeError: addObj.addfun is not a function

console.log("Static Function : ", display.fun(), "\nNormal Function : ", displayObj.msg);