DAY 3 (16/7/2020)

JAVASCRIPT ESSENTIALS

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Question 1: Take a number from a user and write a function which checks whether the number is even or odd. Assign the result to a variable and log that variable in the console. Example Input: 23 Output: The number entered is 23 and Number is odd

<script>

function even\_odd(){

var num = document.getElementById('number').value;

if ( num % 2){

document.getElementById('result').innerHTML = "Entered Number is Odd";

}

else{

document.getElementById('result').innerHTML = "Entered Number is Even";

}

}

</script>

</head>

<body>

<center>

<div id="error"></div>

<center>

<h2> Find Given Number is Even or Odd </h2>

<p>Enter a value</p>

<input type="text" id="number" />

<button onclick="even\_odd();">Check</button><br />

<div id="result"><b></b></div>

</center>

</center>

</body>

Question 2: Write a program which will take OS name and version from the user separated by a space. Then log the OS name and version on the console. Input: "Android 9" Output: The OS name is Android and version is 9

 <script>

        HTMLDocument.prototype.e = document.getElementById;

        var el\_up = document.e("GFG\_UP");

        var el\_down = document.e("GFG\_DOWN");

        el\_up.innerHTML = "Click on the button to get the OS of User's System.";

        var Name = "Not known";

        if (navigator.appVersion.indexOf("Win") != -1) Name =

          "Windows OS";

 function GFG\_Fun() {

            el\_down.innerHTML = Name;

        }

Question 3: Write a program to take marks as input from the user and grade him accordingly. Use Conditional statements. Also the same code using switch or ternary input: 50 Output : Marks are 50 and grade is B

var Avgmarks = 0;

for (var i=0; i < students.length; i++) {

Avgmarks += students[i][1];

var avg = (Avgmarks/students.length);

}

console.log("Average grade: " + (Avgmarks)/students.length);

if (avg < 60){

console.log("Grade : F");

}

else if (avg < 70) {

console.log("Grade : D");

}

else if (avg < 80)

{

console.log("Grade : C");

} else if (avg < 90) {

console.log("Grade : B");

} else if (avg < 100) {

console.log("Grade : A");

}