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.

function findOddEven(){

  //get the input value

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

  //if the remainder value is 0 then it is an even number

  //we are using % modulus operator to get the remainder value

  if ( num % 2 == 0) {

      document.getElementById('result').innerHTML = num + ' is an Even number';

  }else{

      document.getElementById('result').innerHTML = num + ' is an Odd number';

  }

}

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.

{

Let OS1= “Android ”;

Let OS2 =’9’;

Console.log(‘The OS Name is ${OS1} and Version is ${OS2});

}

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

var students = [['David', 80], ['Vinoth', 77], ['Divya', 88], ['Ishitha', 95], ['Thomas', 68]];

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");

}

Using Switch Case

function marksgrade()

{

grade = document.form1.text1.value;

switch (grade)

{

case 'A+':

console.log("Marks >= 90");

break;

case 'A':

console.log("Marks [ >= 80 and <90 ]");

break;

case 'B+':

console.log("Marks [ >= 70 and <80 ]");

break;

case 'B':

console.log("Marks [ >= 60 and <70 ]");

break;

case 'C':

console.log("Marks < 60");

break;

default:

console.log("Wrong grade.........");

}

}