

Assignment (16-7-2020)

Question-1 : Take a number from a user and write a function which checks the no is even or odd. Store the result in a variable and display on console.

Solution -----

```
<!DOCTYPE html>

<html>

<head>

    <title>Question-1 </title>

</head>

<body>

    <script type="text/javascript">

        var no = Number(prompt("Input"));

        check();

        function check () {

            var output;

            if(no % 2 == 0) {

                output = `The number entered is ${no} and Number is Even`;

            }

            else {

                output = `The number entered is ${no} and Number is Odd`;

            }

            console.log(output);

        }

    </script>

</body>

</html>
```

Question-2 : Write a program which will take OS name and a version from a user separated by a space. Display the OS name and version on the console.

Solution-----

```
<!DOCTYPE html>
<html>
<head>
    <title>Question-2</title>
</head>
<body>
    <script type="text/javascript">
        var n1 = prompt("OS name and Version");
        var n2 = n1.split(' ');
        console.log(`The OS name is ${n2[0]} and version is ${n2[1]}`);
    </script>
</body>
</html>
```

Question-3 : Write a program to take marks as input from the user and grade him accordingly. Use conditional statements, switch or ternary.

Solution-----

```
<!DOCTYPE html>
<html>
<head>
    <title>Question-3</title>
</head>
<body>
    <script type="text/javascript">
        // conditional statements
        var n = prompt("Enter your marks");
```

```

console.log("using conditional statements")
if(n >= 75) {
    console.log(` Marks are ${n} and Grade is A`);
}
else if(n >= 60 && n < 75) {
    console.log(` Marks are ${n} and Grade is B`);
}
else if(n >= 45 && n < 60) {
    console.log(` Marks are ${n} and Grade is C`);
}
else {
    console.log(` Marks are ${n} and Grade is D`);
}

```

// ternary

```

console.log("using ternary operator")

```

```

result = (n >= 75) ? ` Marks are ${n} and Grade is A` :

```

```

    (n >= 60 && n < 75) ? ` Marks are ${n} and Grade is B` :

```

```

    (n >= 45 && n < 60) ? ` Marks are ${n} and Grade is C` :

```

```

    ` Marks are ${n} and Grade is D` ;

```

```

console.log(result);

```

//switch-case

```

console.log("using switch-case")

```

```

console.log("Choice: 1. Greater than 75, 2. Between 75 to 60, 3. Between 60 to 45, 4. Less than 45");

```

```

var ch = prompt("Enter the choice");

```

```

//console.log(ch);

```

```

switch(Number(ch)) {

```

```
break;
case 1 : if (n > 75) {console.log(` Marks are ${n} and Grade is A`)};
is B`)); break;
case 2 : if (n >= 60 && n < 75) {console.log(` Marks are ${n} and Grade
is C`)); break;
case 3 : if (n >= 45 && n < 60) {console.log(` Marks are ${n} and Grade
break;
case 4 : if (n < 45) {console.log(` Marks are ${n} and Grade is D`)};
default : console.log("Invalid Choice");
}
</script>
</body>
</html>
```