

JavaScript Questions:-

Q1. Check if a number is odd or even in JavaScript

Function `isEvenOrOdd()` checks if input number is even or odd by using “%” operator in JavaScript.

1. Print “Number is even” if the number is divisible by 2.
2. Else print “Number is odd” if the number returns a remainder when divided by 2.

Q2. Find the largest of two number

Function `findLargest()` finds the largest between two number by using “>” and “=” operator in JavaScript.

1. Print num1 is the largest if $\text{num1} > \text{num2}$.
2. Print num2 is the largest if $\text{num1} < \text{num2}$.
3. Else print num1 and num2 are equal when $\text{num1} == \text{num2}$.

```
findLargest(21,45) //"45 the largest number"
```

```
findLargest(34,18) //"34 is the largest number"
```

```
findLargest(41,41) //"41 is equal to 41"
```

Q3. Find the largest of three number.

Function `findLargest()` finds the largest of three number by using “>” and “&&” operator in JavaScript.

1. Print num1 is the largest if $\text{num1} > \text{num2}$ and $\text{num1} > \text{num3}$.
2. Print num2 is the largest if $\text{num2} < \text{num3}$.
3. Else print num3.

```
findLargest(21,45,13) //"45 is the largest number"
```

```
findLargest(34,18,52) //"52 is the largest number"
```

```
findLargest(64,11,11) //"64 is the largest number"
```

Q4. Perform arithmetic operations on two numbers

Function `evalNumbers()` prints the result after evaluating arithmetic operations between two numbers of addition, multiplication, division, and modulus in JavaScript.

1. Print result of num1+num2 if operation is “add”
2. Print result of num1-num2 if operation is “subtract”
3. Print result of num1*num2 if operation is “multiply”
4. Print result of num1/num2 if operation is “divide”
5. Print result of num1%num2 if operation is “modulus”
6. Else print “Invalid operation”

```
evalNumbers(15,10,"add") //"Sum of 15 and 10 is 25"

evalNumbers(20,8,"subtract") //"Difference of 20 and 8 is 12"

evalNumbers(12,4,"multiply") //"Product of 12 and 4 is 48"

evalNumbers(28,7,"divide") //"Division of 28 and 7 is 4"

evalNumbers(22,3,"modulus") //"Modulus of 22 and 3 is 1"

evalNumbers(31,3,"square") //"square is an invalid operation"
```

Q5. Find check if a year is leap year or not

Function `checkLeapYear()` find if the given year is a leap year or not by using %, !=, && and || operators in JavaScript.

1. If year is divisible by 4 and not divisible by 100 then print “leap year”.
2. Or if year is divisible by 400 then print “leap year”.
3. Else print “not a leap year”.

```
checkLeapYear(2012) //"Year 2012 is a leap year"

checkLeapYear(1900) //"Year 1900 is not a leap year"

checkLeapYear(2000) //"Year 2000 is a leap year"

checkLeapYear(2011) //"Year 2011 is not a leap year"
```