

JAVASCRIPT TASK # 01 – JAVASCRIPT VARIABLES & THEIR SCOPE

01 - Write JavaScript program to declare variable with a different name and allowed format for variable declaration. Assign a value to that variable and show the value in browser console.

02 – Write a program to declare three variables in single line, assign some different values to each of them and output the values in alert.

03- Assign two values to two different variables and add those values to third one. Print The sum of those variables using

i) `var`

ii) `let`

iii) `const`

What happens if we want to change the value of `const`. Show the result in browser console.

04 – Write the following program to input two values from user and on the click of a button execute this function and check the output of this program.

Indicate the mistake in this program and correct it.

```
function order(x, y) {  
    if (x > y) {  
        let tmp = x;  
        x = y;  
        y = tmp;  
    }  
    console.log("Your value is" +tmp);  
}
```

05 – Check the scope of the const 'foo' in this program.

Print the answer and write its reason below.

```
function func() {  
  const foo = 5;  
  if (foo == 5) {  
    const foo = 10;  
    console.log(foo);  
  }  
  console.log(foo);  
}
```

06 – Write a function in javascript in which declare and initialize one variable inside a function using **var** and one without **var**. After the end of that function brackets, print the value of both the variables.

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