

# JavaScript Assignments

## Assignment-1

Given two numeric variables, a and b, write the following:(Take input from user )

1. Create a variable add, and assign it the sum of a and b.

```
2. var a=parseInt(prompt("Enter a value:"))
3. var b=parseInt(prompt("Enter b value:"))
4. var add=a+b
5. console.log("addition of 2 values:"+add)
```

2. Create a variable sub, and assign it result of b subtracted from a .

```
var c=parseInt(prompt("Enter c value:"))
var d=parseInt(prompt("Enter d value:"))
var sub=c-d
console.log("sub of c and d is:"+sub)
```

3. Create a variable mul, and assign it the product of a and b .

```
var e=parseInt(prompt("Enter e value:"))
var f=parseInt(prompt("Enter f value:"))
var mul=e*f
console.log("mul of e and f is:"+mul)
```

4. Create a variable div, and assign it the result of a divided by b .

```
var g=parseInt(prompt("Enter g value:"))
var h=parseInt(prompt("Enter h value:"))
var div=g/h
console.log("div of g and h is:"+div)
```

5. Create a variable, inc, and assign it the pre-incremented value of a

```
var i=parseInt(prompt("enter value of i:"))
var inc=++i
console.log("pre increment value is:"+inc)
```

6. Create a variable dec, and assign it the pre-decremented value of b

```
var j=parseInt(prompt("enter value of j:"))
var dec=--j
console.log("pre increment value is:"+dec)
```

Solve the following (need to mention the values of a and b at every step)

Var a=5; var b=8

Var d= ++a + ++a - --b + b - --a + a++ + (a++ \* ++b) + (a-- / --b)

= 6 + 7 - 7 + 7 - 6 + 6 + (7 \* 8) + (8 / 7)

= 70.5

Var e= a++ - b++ + (--b \* a++) + b++ + b + a + ++a + (a++ % b++)

= 5 - 8 + (8 \* 6) + 8 + 9 + 7 + 8 + (8 % 9)

= 80

Var g= b-- - b + --b + b + ++b - a + ++b - b + b++ - a++ + b++ + b

= 8 - 7 + 6 + 6 + 7 - 5 + 8 - 8 + 8 - 5 + 9 + 10

= 37

Var h= a++ + b + ++a + (--a \* b) + b - (b / a) + (a / b) + (a\*\*b) + (a\*2)++ + ++(b\*2)

error

Write a JavaScript code to calculate and print the power of 2 raised to the 3rd power.

```
Console.log(2**3)
```

Write a JavaScript code to calculate and print area of triangle, rectangle, circle, Square. Take input from the users.

```
let len=parseFloat(prompt("Enter length:"))
let wid=parseFloat(prompt("Enter width:"))
let side=parseFloat(prompt("Enter side:"))
let rad=parseFloat(prompt("Enter rad:"))
let atri=side*side*side
let arec=len*wid
let acircle=3.14*rad*rad
let asqu=side*side
console.log("Area of Triangle:"+atri)
console.log("Area of Rectangle:"+arec)
console.log("Area of circle:"+acircle)
console.log("Area of square:"+asqu)
```