Intro to Functions - Scopes

Saturday, 23 July 2022 10:13 AM

$2x + 3y = 7$ } linear eqn

$ax + by = c$

⇒ Quadratic eq^n's root [$a = 2, b = 3, c = 7$

{ $ax^2 + by^3$

$\frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$ } a, b, c

roots ⇒ $b^2 - 4ac$ > 0 → $\frac{-b + \sqrt{b^2 - 4ac}}{2a}$ and $\frac{-b - \sqrt{b^2 - 4ac}}{2a}$

$b^2 - 4ac = 0$ } $\frac{-b}{2a}$

No real roots founds.

Math. ceil

Sqrt

Sqrt — Pow

Math.Sqrt(25) ⇒ 5

$\sqrt{25}$, $(25)^{\frac{1}{2}}$

Math.Pow(25, 0.5)

25 → no, 0.5 → exponent/power

Syntax:

```
function funName (Parameters)
{
function logic [

]
}
```

funName (Arguments)

Eg: Square } 5 → 25

```
function square(num) {
    return num * num;
}
```

square(5) → 25

square(10)

Console.log(square(4));

↓ fun call

Console.log(16) => // 16

Function expressions:-

```
let square = function () {
```

// logic

}

function expression.

square()

Anonymous fn

()

Hoist

{flag hoist}

Raisehand

Function hoisting :-

You can access fn before it is declared

login

test();

500

1000 lines

500

function test()

{

}

APIS

var test = function()

test()

let

Products :-

findProducts () {

API

return product

}

get

Security

50%

Iphone

200

128

Product Price

update}

up

function expression

let Product = 200;

= function () {

}