1. How to compare two JSON have the same properties without order?
   1. var obj1 = { name: "Person 1", age:5 };
   2. var obj2 = { age:5, name: "Person 1" };

Solution:

var obj1 = {name: "Person 1", age:5 };

var obj2 = { age:5, name: "Person 1" };

console.log(JSON.stringify(obj1) === JSON.stringify(obj2));

**Task 1: Simple Programs todo for variables**

1. Declare four variables without assigning values and print them in console.

Answer:

Can’t print variables without assigning a values because in default the variable will be assigned as undefined

1. How to get value of the variable myvar as output

Answer:

var myvar

console.log(myvar);

1. Declare variables to store your first name, last name, marital status, country and age in multiple lines

Answer:

var firstname="arun",lastname="franklin",maritalstatus="Single",country="india",age="23";

console.log(firstname);

console.log(lastname);

console.log(maritalstatus);

console.log(country);

console.log(age);

1. Declare variables to store your first name, last name, marital status, country and age in a single line

Answer:

var firstname="arun",lastname="franklin",maritalstatus="Single",country="india",age="23";

console.log(firstname,lastname,maritalstatus,country,age);

1. Declare variables and assign string, boolean, undefined and null data types

Answer:

let str = "Hello";

let a = true;

let b = false;

let c;

let d =null;

console.log(typeof(str),typeof(a),typeof(b),typeof(c),typeof(d));

6. Convert the string to integer

* parseInt()
* Number()
* Plus sign(+)

Answer:

let a="12";

console.log(typeof(a));

a=parseInt(a);

console.log(typeof(a));

let b="10";

console.log(typeof(b));

b=Number(b);

console.log(typeof(b));

let c="15";

console.log(typeof(c));

c=+(c);

console.log(typeof(c));

1. Write 6 statement which provide truthy & falsey values.

Answer:

console.log(Boolean(10 > 9));

console.log(Boolean(10 > 8));

console.log(Boolean(10 > 7));

console.log(Boolean(10 > 6));

console.log(Boolean(10 > 5));

console.log(Boolean(10 > 4));

console.log(Boolean(10 > 11));

console.log(Boolean(10 > 12));

console.log(Boolean(10 > 13));

console.log(Boolean(10 > 14));

console.log(Boolean(10 > 15));

console.log(Boolean(10 > 16));

# Task 2: Simple Programs todo for Operators

1. Square of a number

Answer:

function square(a){

c=a\*a;

console.log(c);

}

square(2);

square(4);

square(6);

square(121);

square(454);

square(989);

1. Swapping 2 numbers

Answer:

let a=10,b=20;

console.log("before swapping:",a,b);

[a,b]=[b,a];

console.log("after swapping:",a,b);

1. Addition of 3 numbers

Answer:

function add(a,b,c){

d=a+b+c;

console.log(d);

}

add(10,20,30);

add(20,30,40);

add(50,170,780);

1. Celsius to Fahrenheit conversion

Answer:

function conversion(cel)

{

this.cel = cel;

this.faren = function ()

{

return (this.cel\*9/5)+32;

};

}

var c = new conversion(37.6);

console.log(c.faren().toFixed(2));

1. Meter to miles

Answer:

function coversiontomiles(meter){

mile=meter\*0.000621;

console.log(mile);

}

coversiontomiles(1000);

1. Pounds to kg

Answer:

function coversiontokg(pound){

kg =pound/2.2046;

console.log(kg);

}

coversiontokg(1000);

1. Calculate Batting Average

Answer:

function battingavg(runs,outs){

avg=runs/outs;

console.log(avg);

}

battingavg(1000,10);

1. Calculate five test scores and print their average

Answer:

function testavg(m1,m2,m3,m4,m5){

avg=(m1+m2+m3+m4+m5)/5;

console.log(avg);

}

testavg(290,395,489,378,565);

1. Power of any number x ^ y.

Answer:

function pow(x,n){

var sum = 1;

for (i=0;i<n;i++)

{

sum = sum \* x;

}

console.log(sum);

}

pow(4,3);

1. Calculate Simple Interest

Answer:

function SI(p,n,r){

si=(p\*n\*r)/100;

console.log(si);

}

//P =15, N=12, R =12

SI(15,12,12)