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**JavaScript Assignment - 1**

1.WAP to illustrate implementation of functions in javascript.

function myFun()

{

console.log("Function");

}

myFun();

function myFunc(a,b)

{

console.log(a\*b);

}

myFunc(10,10);

2.WAP to illustrate the declaration of object, assignment of value and display it.

// Create an object:

var car = {type:"Fiat", model:"500", color:"white"};

console.log(car.type);

console.log(car.model);

console.log(car.color);

3.WAP to illustrate declaration of array , assignment of value to an array and display it.

var pesron = ["Ram", "Shyam", "Radhe"];

console.log(pesron);

4.Write a javascript function named is\_integer which checks if the passed argument is an integer.

You can use any mathematical operator or functions defined in the Math object.

function is\_integer(num)

{

if(isNaN(num))

{

console.log(num+ " Is not a Number");

}

else

{

console.log(num+ " Is a Number");

}

}

is\_integer(10);

5.Using the forEach function defined for an array, find the sum of the array of numbers. [ function

add\_all(arr) {...} ]

function add\_add(arr)

{

var sum=0;

for(var i in arr)

{

sum+=arr[i];

}

return sum;

}

arr=[1,2,3,4,5];

add\_add(arr);

6.Write a JavaScript program to convert temperatures to and from celsius, fahrenheit. [ Use the

formula : c/5 = (f-32)/9, where c = temperature in celsius and f = temperature in fahrenheit]

function Celcius(f)

{

return (5/9) \* (f-32);

}

Celcius(77);

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function Fahrenheit(c)

{

return ((c\*1.8)+32);

}

Fahrenheit(100);

7.Write a factorial function that returns the factorial of a given number, n. Make sure you return the

calculated value and not just print it. [ function factorial(n){...} ]

function factorial(n){

var fact=1;

for(var i =n;i>1;i--)

{

fact=fact\*i;

}

return fact;

}

factorial(5);

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8.Write a javascript function that converts a given amount of money into coins of denominations (1,

2, 5, 10 and 25). [ function convert\_to\_coins(amount) {...} ]. You may choose to print the coin

denominations used on the console. E.g. convert\_to\_coins(87) should print 25 25 25 10 2.

function convert\_to\_Coins(amount){

var tf = amount/25; // tf=3

amount = amount % 25; // amount=12

var tn = amount/10; // tn=1

amount = amount % 10; //amount=2

var F = amount/5;

amount = amount % 5;

var t = amount/2;

amount = amount % 2;

console.log("Rs.25 Coins: "+Math.floor(tf));

console.log("Rs.10 Coins: "+Math.floor(tn));

console.log("Rs.5 Coins: "+Math.floor(F));

console.log("Rs.2 Coins: "+Math.floor(t));

console.log("Rs.1 Coins: "+Math.floor(amount));

}

convert\_to\_Coins(87);