CLASS EXERCISES JAVASCRIPT

var name = prompt("what is your name?");

var address = prompt("where are you staying?");

var mobile = prompt("your mobile number ?");

// alert("Welcome "+name+" you are staying in "+address+" your contact number is "+mobile);

alert(`Welcome ${name} you are staying in ${address} your contact number is ${mobile}`);

2. var msg = prompt("what is your message?");

alert(msg.length);

var first5 = msg.slice(5,msg.length);

alert(first5);

3. var msg = prompt("what is your message?");

var after5 = msg.slice(5,msg.length);

var caps = after5.toUpperCase();

var smalls = after5.toLowerCase();

alert(smalls);

4. var msg = "gukan";

alert(typeof(msg));

5. var n= Math.random()\*100;

n= Math.round(n);

n= Math.ceil(n);

n= Math.floor(n);

alert(n);

var ans = Math.pow(2,10);

alert(ans);

**FUNCTIONS**

**NORMAL FUNCTION DECLARATION**

FUNCTION WITHOUT ARGUMENTS AND WITHOUT RETURN VALUES

**declaration**

function greeting(){

var greets = prompt("what is the greet msg?");

var name = prompt("what is your name?");

alert(greets+" "+name);

}

**Calling a function**

**greeting();**

FUNCTION WITH ARGUMENTS AND WITHOUT RETURN VALUES

function greeting(greets,name){

alert(greets+" "+name);

}

greeting("good morning","MadhuBala");

greeting("good evening","gukan");

FUNCTION WITHOUT ARGUMENTS AND WITH RETURN VALUES

function greeting(){

return "good morning "+"Bala";

}

var wishes = greeting();

alert(wishes);

FUNCTION WITH ARGUMENTS AND WITH RETURN VALUES

function greeting(wish,name){

return wish+" "+name;

}

var wish1 = greeting("good morning","name1");

var wish2 = greeting("happy birthday","MadhuBala");

alert(wish1+" "+wish2);

**FUNCTION AS A VALUE TO OTHER FUNCTION**

function calculator(operator){

return operator();

}

alert(calculator(**function sub(){**

**return 1-2;**

**}**));

**FUNCTION EXPRESSION**

var wish = prompt("write your greeting message?");

var name = prompt("what is your name?");

**var greeting = function(){**

**return wish+" "+name;**

**}**

alert(greeting());

**ARROW FUNCTIONS**

var wish = prompt("write your greeting message?");

var name = prompt("what is your name?");

var greeting = ()**=>**{

var wish1 = "happy journey"

return wish1+" "+name;

}

alert(greeting());

2.**Valid for single line statement function**

var wish = prompt("write your greeting message?");

var name = prompt("what is your name?");

var greeting = ()=> wish+" "+name;

alert(greeting());

**METHOD DECLARATION**

var obj = {

name:"gukan",

year:1997,

calAge:function(){

return (2024-1997)

}

}

var array = ["gukan",1997,function(){

return (2024-1997)

}];

var calculatedAge = obj.calAge();

var calculatedAge = array[2]();

alert(calculatedAge);

**CONSTRUCTOR FUNCTION**

function StudentRecord(name,id,year,place,std,mobile){

this.stdName = name;

this.stdId = id;

this.year = year;

this.nativePlace = place;

this.standard = std;

this.mobile = mobile;

this.calAge=function(){

return(2024-this.year)

}

}

var student1 = new StudentRecord("gukan",1,1997,"cuddalore","XII",12345);

var student2 = new StudentRecord("MadhuBala",2,2000,"Thanjavur","XII",67890);

alert(student2.calAge());

EXERCISE FOR FUNCTIONS

1.function buyMilk(money,perPrice){

var numOfMilkPackets = Math.floor(money/perPrice);

var change = money%perPrice;

return "number of milk packets for your "+money+" is "+numOfMilkPackets+" remaining change is "+change;

}

alert(buyMilk(500,17));

**ARRAYS AND OBJECTS**

var array = [["std1",1,"XII",12345,"thanjavur"],["std2",2,"XII",67890,"cuddalore"]];

alert(array[1][4]);

var stdData = {

student1:{

stdName1:"std1",

stdId1:1,

stdStd1:"XII",

stdMobile1:12345,

stdPlace1:"thanjavur"

},

student2:{

stdName2:"std2",

stdId2:2,

stdStd2:"XII",

stdMobile2:67890,

stdPlace2:"cuddalore"

}

}

alert(stdData.student2.stdId2);

2. var data = [{id:[1,2,3,{

n3:12345

}]},"gukan",[{

record1:{

friends:["f1","f2","f3"],

mobile:{

n1:1234,

n2:67890,

place:{

native:["cuddalore","thanjavur"]

}

}

},

record2:["std2",[{fname:"Madhu",lname:"bala"}]],

}],"School"];

// alert(data[2][0].record1.mobile.place.native[1]);

alert(data[2][0].record1.friends[2]);