**Exercise on Javascript**

Que 1:- Prompt for amount, interest rate and no. of years and calculate simple interest.

Ans:-

Code :-

function si()

{

var amt,interest,year,si=0,p;

var amt=parseFloat(prompt("Enter Amount value"));

var interest=parseFloat(prompt("Enter Rate of Interest"));

var year = parseFloat(prompt("Enter numbers of years"));

var p=parseFloat(amt+(1+(interest\*year)));

var si = parseFloat((p\*interest\*year)/100);

}

HTML :-

<!DOCTYPE html>

<html>

<head>

<title>

</title>

<script type="text/javascript" src="app.js"></script>

</head>

<body onload="si()">

</body>

</html>

**Que 2:- is palindrome string**

**Ans:-**

**Code :-**

**function pld() {**

**var stg=document.getElementById("pal").value;**

**var len = stg.length;**

**var mid = Math.floor(len/2);**

**var b=false;**

**for ( var i = 0; i < mid; i++ ) {**

**if (stg[i] !== stg[(len - 1) - i]) {**

**b=false;**

**break;**

**}**

**else{**

**b=true;**

**}**

**}**

**document.write(b);**

**}**

**HTML:-**

**<!DOCTYPE html>**

**<html>**

**<head>**

**<title>**

**</title>**

**<script type="text/javascript" src="app.js"></script>**

**</head>**

**<body>**

**<input type="text" name="pal" id="pal" placeholder="Enter any String">**

**<input type="button" value="Check Palindrome" id="palin" onclick="pld()">**

**</body>**

**</html>**

**Que 3:-Area of Circle**

**Ans:-**

**HTML:-**

**<!DOCTYPE html>**

**<html>**

**<head>**

**<title>**

**</title>**

**<script type="text/javascript" src="app.js"></script>**

**</head>**

**<body>**

**<input type="text" name="pal" id="pal" placeholder="Enter any String">**

**<input type="button" value="Check Palindrome" id="palin" onclick="pld()">**

**<h1>Find area of Circle</h1>**

**<span>Please Enter the Radius : </span>**

**<input type="text" name="radius" placeholder="Enter Radius" id="rad">**

**<input type="button" id="area" value="Find" onclick="area\_c();">**

**<p id="are"></p>**

**</body>**

**</html>**

**Code:-**

**function area\_c(){**

**var radius=document.getElementById('rad').value;**

**var pi=(22/7);**

**var ar=document.getElementById('are');**

**var area=pi\*Math.pow(radius,2);**

**console.log(area);**

**ar.innerHTML=area;**

**}**

**Que 4:- Copy information of one object to another and log it to console.**

**Ans:-**

**Code :-**

**var ob1={'name':'saunak','age':23};**

**var ob2 = Object.assign({'age':25,height:5.9},ob1);**

**console.log(ob2.height +" " + ob2.age);**

**Que 5:- create a list of objects of Employee with info as follow :**

* **Name, age, salary ,DOB**
* **filter all employees with salary greater than 5000**
* **group employee on the basis of their age**
* **fetch employees with salary less than 1000 and age greater than 20. Then give them an increment 5 times their salary.**

**Ans :- Code:-**

**function sal()**

**{**

**var emp=[{name:"saunak",age:23,salary:5000,dob:"23/06/1996"},**

**{name:"deepanshu",age:23,salary:10000,dob:"24/07/1997"}**

**,{name:"hd",age:22,salary:2000,dob:"12/01/1997"}**

**,{name:"prashant",age:21,salary:1000,dob:"26/01/1998"}];**

**var salary\_emp=emp.filter(function abc(emp\_n){**

**return emp\_n.salary>5000 ;**

**});**

**var fth=emp.map(function(emp\_m){**

**emp\_m.salary<=1000 && emp\_m.age>20;**

**});**

**for(let i=0;i<salary\_emp.length;i++){**

**console.log(salary\_emp[i]);**

**}**

**for(let i=0;i<fth.length;i++){**

**console.log(fth[i]);**

**} for(let i in emp.length){**

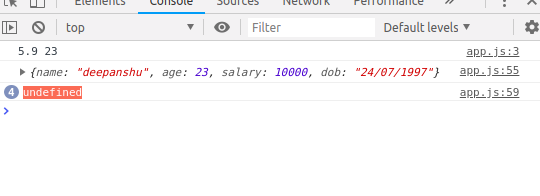
**var gp=emp[i].group;**

**console.log(gp);**

**}**

**}**

**Output :- The Output of 3 and 4 not able to figure out it shows undefined.**

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