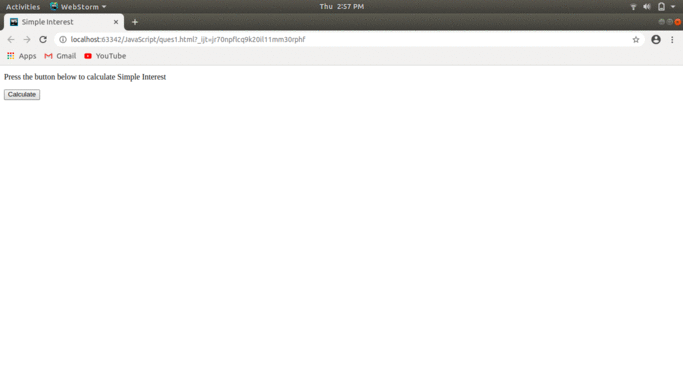
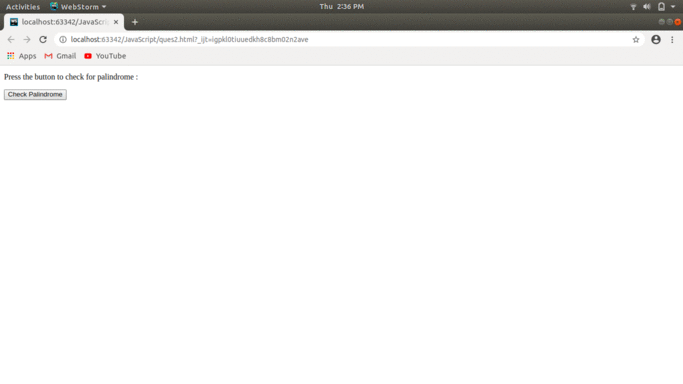
**Introduction to Javascript Exercise**

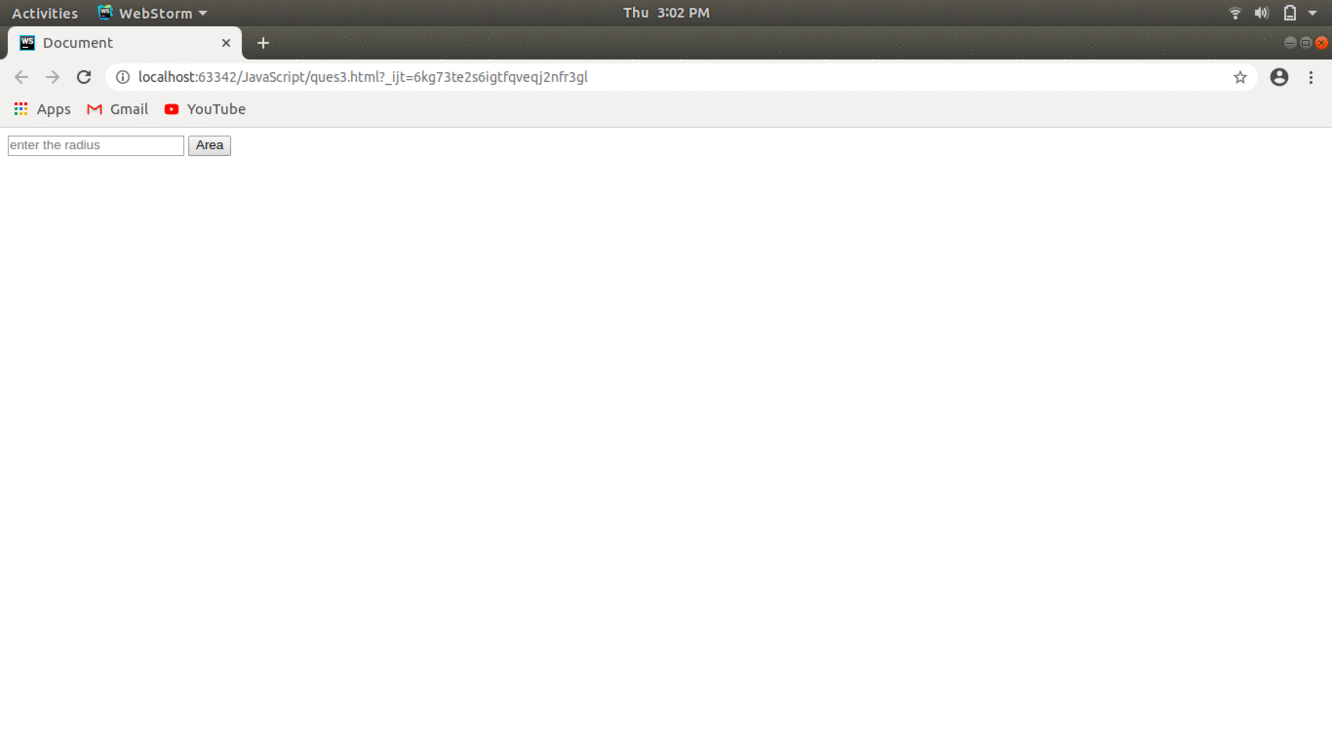
Ques 1 Prompt for amount, interest rate and no. of years and calculate simple interest.



Ques 2 is palindrome string



Ques 3 Area of circle



Ques 4 Copy information of one object to another and log it to console.

function shallowCopy() {

var objectOne ={

name : "Aakash Sinha",

age: 23,

salary: 375000,

dateOfBirth: new Date("09 April 1996")

}

console.log("salary original : "+objectOne.salary);

var objectCopy = objectOne;

objectCopy.salary=450000;

console.log("After changing the salary of objectcopy - objectCopy.salary=450000;")

console.log("salary new is: "+objectOne.salary);

}

function deepCopy(){

var objectOne ={

name : "Aakash Sinha",

age: 23,

salary: 375000,

dateOfBirth: new Date("09 April 1996")

}

var objectCopy={

name:objectOne.name,

age:objectOne.age,

salary:objectOne.salary,

dateOfBirth: objectOne.dateOfBirth

}

objectCopy.salary=450000;

objectCopy.dateOfBirth= "09 September 1996"

console.log(objectOne.salary);

console.log(objectOne.dateOfBirth);

console.log(objectCopy.salary);

console.log(objectCopy.dateOfBirth);

}

Ques 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.

//---------------------------------------------------------------------------------------------------------------

// Ques 1: create a list of objects of Employee with info as follow : Name, age, salary ,DOB

var listOfEmployeeObject =[

{ name : "Aakash Sinha",

age: 23,

salary: 5000,

dateOfBirth: new Date("09 April 1996")

},

{ name : "Aayushi thani",

age: 22,

salary: 300,

dateOfBirth: new Date("27 january 1997")

},

{ name : "Shobhit Bisaria",

age: 23,

salary: 5001,

dateOfBirth: new Date("19 december 1996")

},

{ name : "Aastha dawar",

age: 21,

salary: 500,

dateOfBirth: new Date("02 february 1998")

},

{ name : "Employee 5",

age: 20,

salary: 350,

dateOfBirth: new Date("09 feb 1999")

},

]

//---------------------------------------------------------------------------------------------------------------

//Question 2 filter all employees with salary greater than 5000

var result = listOfEmployeeObject.filter(listOfEmployeeObject => listOfEmployeeObject.salary >5000);

console.log("Total number of Employee with salary greater than 5000 : " + result.length);

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

console.log("employee number: "+ result[i].name);

}

//--------------------------------------------------------------------------------------------------------------

//Question 3 group employee on the basis of their age

//--------------------------------------------------------------------------------------------------------------

//Question 4 fetch employees with salary less than 1000 and age greater than 20. Then give them an increment 5 times their salary.

console.log("Question 4 fetch employees with salary less than 1000 and age greater than 20. Then give them an increment 5 times their salary.");

listOfEmployeeObject.forEach(function (item) {

if(item.salary<1000 && item.age>20)

{

console.log("Name : "+item.name +" Age : " + item.age + " Salary : "+item.salary);

}})}