SRI RAMACHANDRA
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SRI RAMACHANDRA ENGINEERING AND TECHNOLOGY

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Term	:	T1
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Academic Year	:	2023-2024

1)Write a JavaScript to find maximum of three numbers (prompt the numbers from the user

Code:

```javascript
const prompt = require("prompt-sync")();
let n1 = prompt('Enter First number: ')
let n2 = prompt('Enter Second number: ')
let n3 = prompt('Enter Third number: ')
if(n1>n2&&n1>n3){
    console.log(`${n1} is greatest`)
}
else if(n2>n1&&n2>n3){
    console.log(`${n2} is greatest`)
}
else{
    console.log(`${n3} is greatest`)
}
```

OUTPUT:

```
PS D:\SRET\SecondYear\Term1\JavaScript\Assignment\Code
Enter First number: 5
Enter Second number: 7
Enter Third number: 3
7 is greatest
```

2) Write a function in JavaScript to compute simple interest (prompt the principal p, year y and rate of interest r from the user)

Code:

```javascript
//simple intrest = pnr/100
const prompt = require('prompt-sync')()
let res=0;
let p = prompt('Enter the principal amount: ')
let n = prompt('Enter no. of years: ')
let r = prompt('Enter the rate of intrest: ')
function simpleIntrest(p,n,r){
    return (p*n*r)/100
}
res=simpleIntrest(p,n,r)
console.log("Simple intrest is: ",res)
```

OUTPUT:

```
PS D:\SRET\SecondYear\Term1\JavaScript\Assignment\Code\
Enter the principal amount: 1000
Enter no. of years: 5
Enter the rate of intrest: 12.5
Simple intrest is:  625
```

3) Predict the output:

A)

Code:

```javascript
function Sample() {
    var x = 5;
    var x = 10;
    console.log(x);
    let y = 15;
//    let y = 20;
}
    Sample ();


//the output of the statement presnt in d is 10
// redeclaration of let is not possible
```

OUTPUT:

```
PS D:\SRET\SecondYear\Term1\JavaScript\Assignment\Code\
10
```

B)

Code:

```javascript
function Sample1() {
    var x = 10;
    if (true) {
    let x = 20;
    console.log(x);
    }
    console.log(x);
    }
    Sample1();
// //the output of the statement presnt in e and g is 20,10
```

OUTPUT:

```
PS D:\SRET\SecondYear\Term1\JavaScript\Assignment\Code\
20
10
```

4) Create an object called cart with the items as key and price as value

Apple   120

Banana   50

Orange   100

Kiwi   150

Dragon Fruit 200

Iterate through the object and print key together with value. Calculate the total price

of the fruits and store in a variable called BillAmount.

Code:

```javascript
let cart = {
    Apple: 120,
    Banana: 50,
    Orange: 100,
    Kiwi: 150,
    DragonFruit: 200

}
for(let i in cart){
    console.log(i," : ",cart[i])
}

function bill(cart){
    let total=0;
    for(let i in cart){
        total+=cart[i]
    }
    return total
}
console.log("Total amount to be paid by the customer is: ",bill(cart))
```

OUTPUT:

```
PS D:\SRET\SecondYear\Term1\JavaScript\Assignment\Code\
Apple    :   120
Banana   :    50
Orange   :   100
Kiwi   :   150
DragonFruit   :   200
Total amount to be paid by the customer is:   620
```

5) Design a html form that accepts Name from the user. When the user clicks the button ClickMe, it should invoke the function Greetings in JavaScript which should display "Hello, Welcome User"

Code:

```html
<!DOCTYPE html>
<html>
<head>
    <title>Q5</title>

</head>
<body>
    <form>
        <label>Name</label>
        <input type="text" name="name" id="name">
        <input type="button" name="ClickMe" value="ClickMe"
onclick="Greetings()">
    </form>
    <script type="text/javascript", language="javascript">
        function Greetings(){
            var name = document.getElementById("name").value;
            alert("Hello, Welcome "+name);
        }
    </script>
</body>
</html>
```

OUTPUT:

Name XYZ   ClickMe

127.0.0.1:5500 says

Hello, Welcome XYZ

OK