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Course : blockchain Programming

Section: "B"

CALCULATOR TASK:

```
<!DOCTYPE HTML>
<html lang="en">
<head>
<meta charset="utf-8">
<title>A Simple Calculator</title>
<!-- <link href="https://fonts.googleapis.com/css?family=Inconsolata" rel="stylesheet"> -->
<style>
  * {
    font-family: 'Inconsolata', monospace;
    color: #555;
  }
  body {
    background-color: rgb(108, 175, 192) ;
  }
  .container {
    width: 400px;
    background-color: #27243b;
    margin: 12px auto;
    border-radius: 5%;
    border: 30px blue;
    border-style: ridge;
  }
  table {
    width: 100%;
    border-color: #f4f4f4;
  }
  td {
    width: 25%;
  }
  button {
    width: 100%;
    height: 70px;
    font-size: 24px;
    background-color: rgb(148, 233, 229);
    border: none;
  }
  #inputLabel {
    height: 120px;
    font-size: 40px;
    vertical-align: bottom;
    text-align: right;
    padding-right: 16px;
    background-color: whitesmoke;
  }

```

```

    }
    .heading{
        text-align: center;
    }
</style>
</head>
<body>
    <h1 class="heading" >CALCULATOR</h1>
<div class="container">
    <table border="1" cellspacing="0">
        <tr>
            <td colspan="4" id="inputLabel">0</td>
        </tr>
        <tr>
            <td colspan="3"><button onclick="pushBtn(this);">AC</button></td>
            <td><button onclick="pushBtn(this);">/</button></td>
        </tr>
        <tr>
            <td><button onclick="pushBtn(this)">7</button></td>
            <td><button onclick="pushBtn(this)">8</button></td>
            <td><button onclick="pushBtn(this)">9</button></td>
            <td><button onclick="pushBtn(this)">*</button></td>
        </tr>
        <tr>
            <td><button onclick="pushBtn(this)">4</button></td>
            <td><button onclick="pushBtn(this)">5</button></td>
            <td><button onclick="pushBtn(this)">6</button></td>
            <td><button onclick="pushBtn(this)">-</button></td>
        </tr>
        <tr>
            <td><button onclick="pushBtn(this);">1</button></td>
            <td><button onclick="pushBtn(this);">2</button></td>
            <td><button onclick="pushBtn(this);">3</button></td>
            <td><button onclick="pushBtn(this);">+</button></td>
        </tr>
        <tr>
            <td colspan="2"><button onclick="pushBtn(this);">0</button></td>
            <td><button onclick="pushBtn(this);">.</button></td>
            <td><button onclick="pushBtn(this);">=</button></td>
        </tr>
    </table>
</div>
<script>
    var inputLabel = document.getElementById('inputLabel');

    function pushBtn(obj) {

        var pushed = obj.innerHTML;

        if (pushed == '=') {
            // Calculate
            inputLabel.innerHTML = eval(inputLabel.innerHTML);
            console.log(inputLabel.innerHTML)

```

```

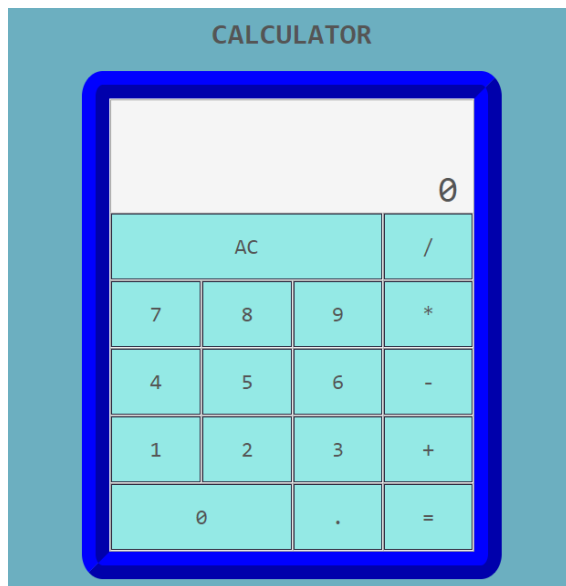
    } else if (pushed == 'AC') {
        // All Clear
        inputLabel.innerHTML = '0';

    } else {
        if (inputLabel.innerHTML == '0') {
            inputLabel.innerHTML = pushed;

        } else {
            inputLabel.innerHTML += pushed;
        }
    }
}
</script>
</body>
</html>

```

OUTPUT:



28-9-2020 TASK:

```

//simple calculation by prompt
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <title>Document</title>
    <script src="cal.js"></script>
</head>
<body>

</body>
</html>

```

```

file cal.js
var a = parseInt(prompt("Enter first number"));
var b = parseInt(prompt("Enter second number"));
console.log(a + b);
console.log(a - b);
console.log(a * b);
console.log(a / b);

task 2
var c=8;
function sum(num1,num2){
    c=num2+num1;
    console.log(c)
}
console.log(c)
sum(2,5)

task 3
var obj={
    gender:["female"],
    name:["mariyam mahnoor"],
    contact:["contact"],
    dob:["march"],
    object:["Hoping to you are good"],
    skill:["programmer"],
    qualification:["B.E"]
}
console.log(obj.gender);
console.log(obj.name);
console.log(obj.contact);
console.log(obj.dob);
console.log(obj.object);
console.log(obj.skill);
console.log(obj.qualification);
// console.log();
obj.gender.push("male")
console.log(obj.gender);
obj.gender.pop()
console.log(obj.gender);
obj.gender.push("male")
console.log(obj.gender);
obj.gender.push("male")
console.log(obj.gender);
obj.gender.shift()
console.log(obj.gender);
obj.gender.unshift("male")
console.log(obj.gender);
obj.gender.splice(1,1,"male")
console.log(obj.gender);

```

RESUME TASK:

```

<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/css/bootstrap.min.css"

```

```

    integrity="sha384-
9aIt2nRpC12Uk9gS9baDl411NQApFmC26EwAOH8WgZl5MYxxFfc+NcPb1dKGj7Sk" crossorigin="anonymous">
    <title>cvmaker</title>
    <style>
        p { color:black;
            text-align:center;

        }
        #second-section {

            background-color: rgb(247, 235, 128);
            width:600px;
            height:500px;
            float:right;
            margin: 50px 20px 50px 20px;

        }

    </style>
</head>

<body>

Name <input type="text" id="name"><br>
email <input type="text" id="email">

<div id="second-section">
    <!-- <p id="namearea" value=""></p> -->
    <p id="paragraph">Hello World!</p>
    <h1 id="namearea" value="" style="text-align: center;"></h1>
<p id="empty" ></p>
<p id="empt"></p>
</div>

<button id="createParagraph">Create Resume</button>

</body>
<script>
    document.getElementById("paragraph").innerHTML = "RESUME";

var arr=["karachi"]
var objj={
objective:"Passionate to solve intricate engineering problems that delivers highest business v
alue.",
degree:"B.E in the field of Electronics from NED university of engineering and technology",
skills:["WEB Devolopment","Git", "python"]

}
var note=" will be furnished upon request"
document.getElementById("createParagraph").onclick = function() {

document.getElementById("namearea").innerHTML = document.getElementById("name").value;
document.getElementById("empty").innerHTML = document.getElementById("email").value;

```

```

document.getElementById("empt").innerHTML = arr+"<br><strong> OBJECTIVE: </strong>" +objj.obje
ctive + "<br> <strong> ACADEMIC Qualification: </strong>" +objj.degree+ "<br> <strong> SKILLS :
</strong>" + objj.skills+ "<br> <strong> Reference : </strong>" + note;
}

</script>

</html>

```

OUTPUT:

Name
email

RESUME

Mariyam Mahnoor

mariammahnoor@gmail.com

karachi

OBJECTIVE: Passionate to solve intricate engineering problems that delivers highest business value.

ACADEMIC Qualification: B.E in the field of Electronics from NED university of engineering and technology

SKILLS : WEB Developoment, Git, python

Reference : will be furnished upon request

Data base for student record with the help of object, array and for loop

```

var obj={
  gender:["female","female","male","female","male" ],
  name:["mariyam mahnoor", "amna","bilal","saba","hamza"],
  contact:["3545465465","3545465465","3545465465","3545465465","3545465465"],
  dob:["18/3/1998","8/8/1998","20/3/1998","1/3/1998","18/4/1998"],
  object:["Hoping to you are good","Hoping to you are good","Hoping to you are good"," you are good","too good"],
  skill:["programmer","student","communication skills","teaching skills","tiktokker"],
  qualification:["B.E","matric","D.A.E","B.A","B.E"]
}
console.log(obj.gender);
console.log(obj.name);
console.log(obj.contact);
console.log(obj.dob);
console.log(obj.object);
console.log(obj.skill);
console.log(obj.qualification);
// console.log();
obj.gender.push("male")
console.log(obj.gender);
obj.name.push("hamzoo")
console.log(obj.name);
obj.gender.pop()
console.log(obj.gender);

```

```

obj.gender.push("male")
console.log(obj.gender);
obj.gender.push("male")
console.log(obj.gender);
obj.gender.shift()
console.log(obj.gender);
obj.gender.unshift("male")
console.log(obj.gender);

for (var i = 0; i < 4; i++) {
  console.log(obj.gender[i]);
  console.log(obj.name[i]);
  console.log(obj.skill[i]);
}

```

Output:

```

< console.log
> var obj={
  gender:["female","female","male","female","male" ],
  name:["mariyam mahnoor", "amna", "bilal", "saba", "hamza"],
  contact:["3545465465", "3545465465", "3545465465", "3545465465"],
  dob:["18/3/1998", "8/8/1998", "20/3/1998", "1/3/1998", "18/4/1998"],
  object:["Hoping to you are good", "Hoping to you are good", "Hoping to you are good", " you are good", "too good"],
  skill:["programmer", "student", "communication skills", "teaching skills", "tiktok"],
  qualification:["B.E", "matric", "D.A.E", "B.A", "B.E"]
}
  console.log(obj.gender);
  ▶ (5) ["female", "female", "male", "female", "male"] VM111:10
< undefined
> console.log(obj.name);
  ▶ (5) ["mariyam mahnoor", "amna", "bilal", "saba", "hamza"] VM151:1
< undefined
> for (var i = 0; i < 4; i++) {
  console.log(obj.gender[i]);
  console.log(obj.name[i]);
  console.log(obj.skill[i]);
}
female VM157:2
mariyam mahnoor VM157:3
programmer VM157:4
female VM157:2
amna VM157:3
student VM157:4
male VM157:2
bilal VM157:3
communication skills VM157:4
female VM157:2
saba VM157:3
teaching skills VM157:4
< undefined
> |

```

Multidimensional array with for loop

```

// Multidimensional array
let activities = [
  ['Work', 9],
  ['Eat', 1],
  ['Commute', 2],
  ['Play Game', 1],
  ['Sleep', 7]
];

console.table(activities);
console.log(activities[0][1]);
activities.push(['Study', 2]);

console.table(activities);
activities.forEach(activity => {
  let percentage = (activity[1] / 24) * 100).toFixed();
  activity[2] = percentage + '%';
});

console.table(activities);
activities.forEach((activity) => {

```

```

        activity.pop(2);
    });

console.table(activities);
for (let i = 0; i < activities.length; i++) {
    // get the size of the inner array
    var innerArrayLength = activities[i].length;
    // loop the inner array
    for (let j = 0; j < innerArrayLength; j++) {
        console.log(['' + i + ', ' + j + ''] = ' + activities[i][j]);
    }
}

```

Output:

```

>
let activities = [
  ['Work', 9],
  ['Eat', 1],
  ['Commute', 2],
  ['Play Game', 1],
  ['Sleep', 7]
];
console.table(activities);

```

(index)	0	1
0	"Work"	9
1	"Eat"	1
2	"Commute"	2
3	"Play Game"	1
4	"Sleep"	7

Array(5)

```

< undefined
> for (let i = 0; i < activities.length; i++) {
  // get the size of the inner array
  var innerArrayLength = activities[i].length;
  // loop the inner array
  for (let j = 0; j < innerArrayLength; j++) {
    console.log(['' + i + ', ' + j + ''] = ' + activities[i][j]);
  }
}

```

[0,0] = Work	VM105:6
[0,1] = 9	VM105:6
[1,0] = Eat	VM105:6
[1,1] = 1	VM105:6
[2,0] = Commute	VM105:6
[2,1] = 2	VM105:6
[3,0] = Play Game	VM105:6
[3,1] = 1	VM105:6
[4,0] = Sleep	VM105:6
[4,1] = 7	VM105:6

undefined