

Assignment (17-7-2020)

Solutions-----

Question - 1

```
<script type="text/javascript">
```

```
function execute() {  
    for(var i = 1; i<=100; i++) {  
        if(i%3 == 0 && i%5 == 0){  
            console.log(`${i}---fizzbuzz`);  
        }  
        if(i%3 == 0){  
            console.log(`${i}---fizz`);  
        }  
        else if(i%5 == 0){  
            console.log(`${i}---buzz`);  
        }  
        else{  
            console.log(i);  
        }  
    }  
}  
execute();
```

```
</script>
```

Question 2

```
<script type="text/javascript">
```

```
const student = {  
    name: "Helsinki",  
    age: 24,  
    projects: {
```

```

        diceGame: "Two player dice game using JavaScript"
    }
}

console.log(student.name);
console.log(student.age);
console.log(student.projects.diceGame);

// const {name, age, projects:{ diceGame }} = student;
// console.log(name, age, diceGame);
</script>

```

Question-3

```

<script type="text/javascript">
    let shoppingList = ['Maggie', 'Pasta', 'McCain'];
    console.log(shoppingList);

    let shoppingBasket = ['Ketchup',...shoppingList,'Oregano'];
    console.log(shoppingBasket);

</script>

```

Question-4

```

<style type="text/css">
    table {
        border-collapse: collapse;
    }
    td {
        text-align: center;
        padding: 10px;
    }

```

|

```

</tr>
<tr>
    <td> <input type="button" value="0" onclick="execute('0')"></td>
    <td> <input type="button" value="=" onclick="execute2('=')"></td>
    <td> <input type="button" value="C" onclick="clr('C')"></td>
    <td> <input type="button" value="/" onclick="execute('/')"></td>
</tr>
</table>

<script type="text/javascript">
    function execute(arg) {
        document.getElementById('txt').value+=arg;
    }
    function execute2() {
        let x = document.getElementById('txt').value;
        let y = eval(x);
        document.getElementById('txt').value = y;
    }
    function clr() {
        document.getElementById('txt').value = "";
    }
</script>

```

Question-5

```

<script type="text/javascript">
    var sales = Number(prompt("Enter your yearly sales"));
    if(sales>=0 && sales<5000){
        console.log("Your Reward is : 2%")
        console.log("Your Total Commission is : "+sales*0.02);
    }

```

```

    }
    else if(sales>=5001 && sales<10000){
        console.log("Your Reward is : 5%")
        console.log("Your Total Commission is : "+sales*0.05);
    }
    else if(sales>=10001 && sales<20000){
        console.log("Your Reward is : 7%")
        console.log("Your Total Commission is : "+sales*0.07);
    }
    else if(sales>=20001){
        console.log("Your Reward is : 10%")
        console.log("Your Total Commission is : "+sales*0.10);
    }
    else {
        console.log("Invalid sales number");
    }
</script>

```

Question-6

```

<script type="text/javascript">
    let no;
    while(no >= 100 || no == null || no == ""){
        no = Number(prompt("Enter the number greater than 100"));
        no < 100 ? prompt("Enter the number again" ) : console.log(no);
    }
</script>

```

Question-7

```

<script type="text/javascript">

```

```

no = Number(prompt("Enter the intervals of number"));

    for (var limit = 2; limit <= no; limit++) {
var a = false;
    for (var i = 2; i <= limit; i++) {
        if (limit%i==0 && i!==limit) {
            a = true;
        }
    }
    if (a == false) {
        console.log(limit);
    }
}

```

</script>

Question-8

<script type="text/javascript">

```

ask = (question, yes, no)=> {
    if(confirm(question)) yes();
    else no();
}

ask(
    "Do you Agree?",
    ()=>{alert("You agreed.");},
    ()=>{alert("You canceled the execution");});

```

</script>