Name: P.K. Karthikeya Rao

Roll Number: 221710308040

Section: B-8

Set Number:10

GitHub: https://github.com/Karthik307/IDE-Assignment

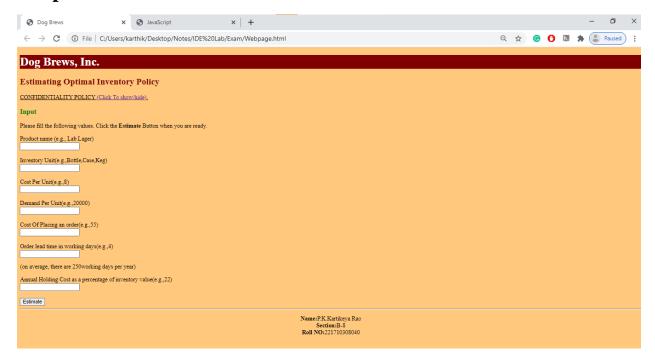10(a).

Program:

```html
<!DOCTYPE html>
<html>
<head>
    <title>Dog Brews</title>
    <link rel="stylesheet" type="text/css" href="style.css">
</head>
<body>
<h1>Dog Brews, Inc.</h1>
<h2>Estimating Optimal Inventory Policy</h2>
<p style="text-decoration: underline;">CONFIDENTIALITY POLICY <a href="C:\Users\karthik\Desktop\Notes\IDE Lab\Exam\stage1.html">(Click To
show/hide)</a>.</p>
<h3>Input</h3>
<p>Please fill the following values. Click the <b>Estimate</b> Button when you are ready.</p>
<form >
    <label for="pname">Product name (e.g., Lab Lager)</label><br>
    <input type="text" id="pname" name="pname"><br><br>
    <label for="unit">Inventory Unit(e.g.,Bottle,Case,Keg)</label><br>
    <input type="text" id="unit" name="unit"><br><br>
    <label for="cost">Cost Per Unit(e.g.,8)</label><br>
    <input type="number" id="cost" name="cost"><br><br>
    <label for="Demand">Demand Per Unit(e.g.,20000)</label><br>
    <input type="number" id="Demand" name="Demand"><br><br>
    <label for="Placing">Cost Of Placing an order(e.g.,55)</label><br>
    <input type="text" id="Placing" name="Placing"><br><br>
    <label for="Time">Order lead time in working days(e.g.,4)</label><br>
    <input type="text" id="Time" name="Time">
    <p>(on average, there are 250working days per year)</p>
    <label for="Annual">Annual Holding Cost as a percentage of inventory value(e.g.,22)</label><br>
    <input type="text" id="Annual" name="Annual"><br><br>
    <input type="submit" value="Estimate">
</form>
<hr>
<footer>
    <div class="n">
        <p ><b>Name:</b>P.K.Kartikeya Rao <br><b>Section:</b>B-8<br><b>Roll NO:</b>221710308040</p></div>
</footer>
</body>
<!-- Name:P.K.Karthikeya Rao
     Roll NO:221710308040
     Section:B-8
 -->
</html>
```

CSS:

```css
1  body{
2      background-color: #ffc87c;
3  }
4  h1{
5      background-color: #800000;
6    color: #ffffff;
7  }
8  h2{
9      color: #800000;
10 }
11 h3{
12     color: #008000;
13 }
14 .n{
15     text-align: center;
16 }
```

Output:

10(b and c):

Program:

```html
1    <!DOCTYPE html>
2    <html>
3    <head>
4        <title>JavaScript</title>
5        <style>.n{
6        text-align: center;
7    }</style>
8        <script>
9            function order(){
10               var a,b,c;
11       a=Number(document.getElementById("one").value);
12       b=Number(document.getElementById("two").value);
13       c= (12*a) +(3*b);
14       document.getElementById("Display").innerHTML =c;
15       if(a==null||a==" ")
16           {
17               window.alert("Enter value for Magic Beans!");
18               return false;
19           }
20           else if(b==null||b==" ")
21           {
22               window.alert("Enter value for Strange Metal thing!");
23               return false;
24           }
25           if(a<0||b<0)
26           {
27               window.alert("Please order Zero or more things!");
28               return false;
29           }
30           if(a!=Number)
31           {
32               window.alert("Please Enter Valid Number Of beans!");
33               return false;
34           }
35           else if(b!=Number)
```

```html
36           {
37               window.alert("Please Enter Valid Number Of Strange Metal things!");
38               return false;
39           }
40    }
41        </script>
42        <style>
43            .m{
44            text-align: center;
45            }
46        </style>
47    </head>
48    <body>
49        <div class="m">
50            <h2>Order</h2>
51            Magic Beans($12 each) : <input id="one"><br><br>
52            Strange Metal thing($3 each): <input id="two"><br><br>
53            <button onclick="order()">Compute Total</button><br><br><br>
54            <p>Total:</p> <p id="Display"></p>
55        </div>
56    <hr>
57    <footer>
58        <div class="n">
59    <p ><b>Name:</b>P.K.Kartikeya Rao <br><b>Section:</b>B-8<br><b>Roll NO:</b>221710308040</p></div>
60    </footer>
61    </body>
62    </html>
```

Output:

Error in Magic beans:

i)Giving Empty Input:

Order

Magic Beans($12 each) : [   ]

Strange Metal thing($3 each): [   ]

[Compute Total]

Total:

0

Notes/IDE%20Lab/Exam/Javascript_b.html

This page says

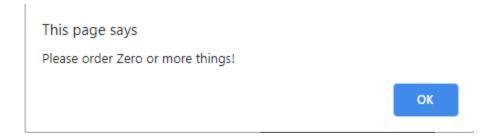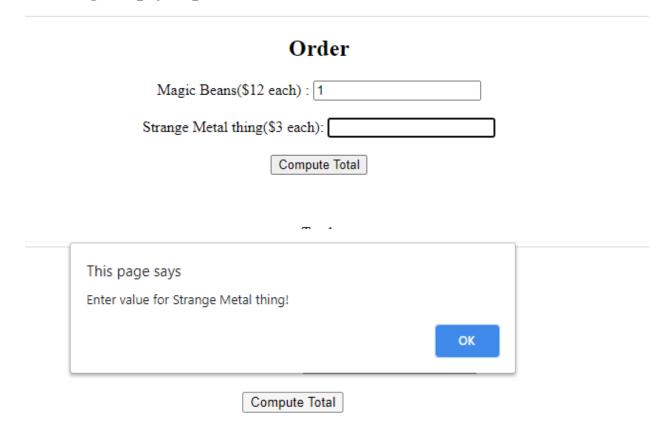Enter value for Magic Beans!

[OK]

[Compute Total]

Total:

0

ii)Giving String as input:

Order

Magic Beans($12 each) : `dog`

Strange Metal thing($3 each): `1`

Compute Total

This page says

Please Enter Valid Number Of beans!

OK

Compute Total

Total:

iii)Giving input less than Zero:

Order

Magic Beans($12 each) : `-1`

Strange Metal thing($3 each): `3`

Compute Total

This page says

Please order Zero or more things!

OK

Error in Strange metal things:

i)Giving Empty Input:

Order

Magic Beans($12 each) : 1

Strange Metal thing($3 each):

Compute Total

This page says

Enter value for Strange Metal thing!

OK

Compute Total

ii)Giving String as input:

Order

Magic Beans($12 each) : 1

Strange Metal thing($3 each): dog

Compute Total

This page says

Please Enter Valid Number Of beans!

OK

Compute Total

iii)Giving input less than Zero:

Order

Magic Beans($12 each) : 1

Strange Metal thing($3 each): -2

Compute Total

This page says

Please order Zero or more things!

OK

Compute Total

10(c): Giving positive values as input:

Order

Magic Beans($12 each) : 1

Strange Metal thing($3 each): 2

Compute Total

Total:

18