1. State whether the given below codes are syntactically correct or will generate an error.
   If they generate an error, rewrite the correct code
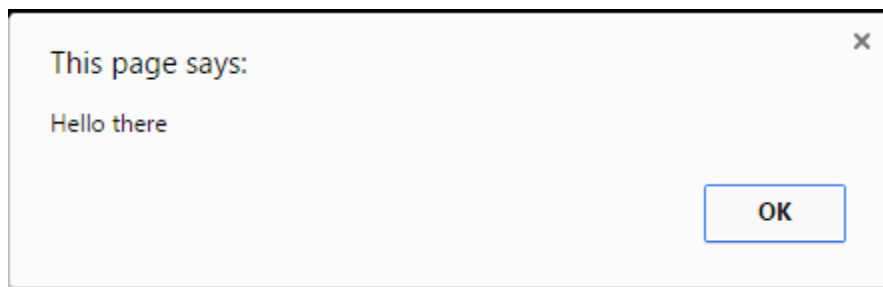   a. Home page

   b. <style type= "text/css">
          h1{color:red;font-size:20px;}
   </style>

   c. H1,H2,H3{font-type=arial}

   d. <input type= "pwd" name= "password">

2. Write down the JavaScript function sayHello() to display a message box as given
   below when the user clicks on "Click Me" button

   This page says:

   Hello there

   OK

3. Write down the javascript function **addNumbers()**, to add two numbers and return
   the answer (num1 and num2 are the arguments of the function)
   No need to write down the complete html code

4. Write down the complete HTML code to find out the area of a square (A=h x l) using
   the given below form.
   User can enter the height and length of the square
   When the user clicks on submit button, the answer should be displayed as given on
   the figure.
   Javascript function name : findArea()
   Use suitable names for the input boxes

Height 5
Length 2
Submit

This page says

Area is 10

OK

5. Write down the switch statement for the given below scenario

Input	Result
A	Very good
B	Good
F	Bad
Other	Invalid

Function name : **calGrade()**

Name of the input box : **grade**

Display the output in the paragraph with the id "**demo**"

6.

a) Write down the external DTD (plant.dtd) file to describe plants consisting of the following elements:

Root element: plant

- common – 1 instance,
- botanical – 1 instance,
- zone - 1 or more instances
- price – 1 instance,
- availability - 1 instance
- Attribute of the price element – currency (required attribute)

b) Write down an XML code and populate it with common, botanical, zone, price and availability elements with the following details (you must link the food.dtd file to the xml file)

Common	Botanical	zone	price	Availability
Bloodroot	Canadensis	2, 4	2	yes

"Currency" attribute value = "$"

7. Consider the following html code

```
<html>
<head>
    <script src="jquery-3.1.1.min.js"></script>
    <script>
       ……………………………………….
     </script>
</head>
<body >
     <button>Hide/Show</button>
      <p class="para">This is my JQuery code</P>
</body>
</html>
```

Write the JQuery code segment between <script> tags to hide the given paragraph
when user clicks the "**Hide**" button

8. Draw the expected output of the code given below

```
<html>
<head>
  <script>
    for (i=0;i<=10;i++)
    {
      if(i==3){
         continue;
      }
      if (i==6){
         break;
              }
         document.write("Num = " + i);
         document.write("<br />");
    }
  </script>
  </head>
</html>
```
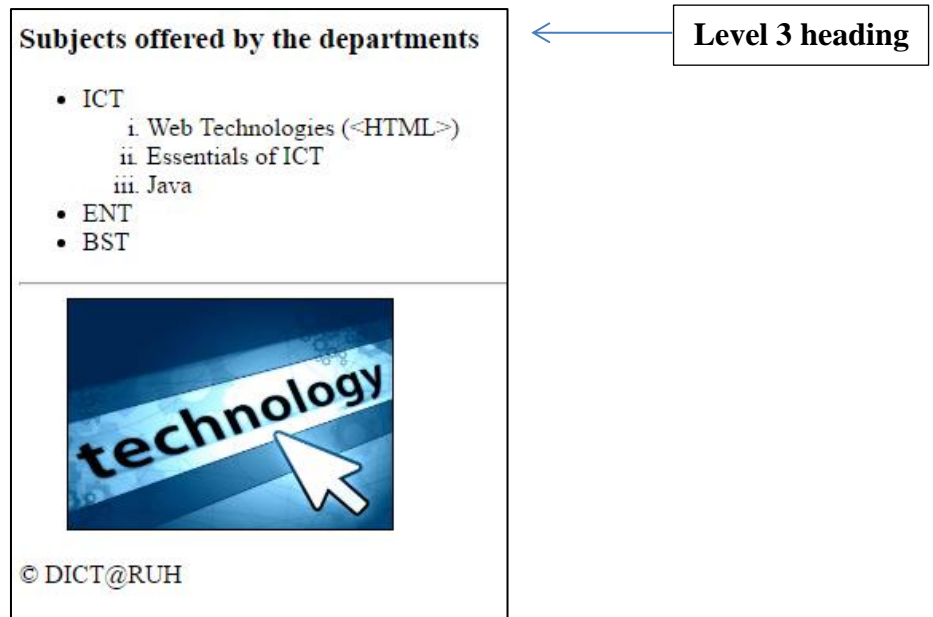
9. Write the suitable html code to output the screen given in figure 1

Subjects offered by the departments ← Level 3 heading

- ICT
    i. Web Technologies (<HTML>)
    ii. Essentials of ICT
    iii. Java
- ENT
- BST

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Figure 1

Note: Title of the web page – "**Faculty of Technology**"