Second Javascript Lab – 17th February

1. Enter the following Java script demonstrating the IF statement

```
<html>
<body>

<script type="text/javascript">
var d = new Date()
var time = d.getHours()

if (time < 10)
{
  document.write("<b>Good morning</b>")
}
</script>

<p>
This example demonstrates the If statement.
</p>

<p>
If the time on your browser is less than 10, you will get a "Good morning" greeting.
</p>

</body>
</html>
```

Modify the script to enter the text "Good Afternoon" if it's after 10.

Test your script.

2. Javascript demonstrating use of Arrays to hold elements

```
<html>
<body>
<font size=+3>
<script type="text/javascript">
var famname = new Array("Tom","Mary","Kate")

for (i=0; i<famname.length; i++)
{
document.write(famname[i] + "<br>")
}
</script>
</font>
</body>
</html>
```

Add in three more names to the array - Jane, Paul and Nora.

3. Use the following Java script to create a Dropdown menu.

```
<!-Dropdown.htm ->
<html><head>
<script language="javascript">
function put()
{
  var
option=document.forms[0].dropdown.options[document.forms[0].dropdown.selectedIndex].text
  var txt=option

  document.forms[0].favourite.value=txt
}
</script>
</head>
<body>
<form>
<p> Select your favourite browser:
<select name="dropdown" onchange="put()">
<option>Internet Explorer
<option>Mozilla Firefox
</select>
</p>
<p>Your favourite browser is:
<input type="text" name="favourite" value="Internet Explorer"></p>
</form></body></html>
```

Modify the script to add in three more browser choices, Google Chrome, Opera and Safari.

Modify the default value for the text field to be "Make selection".

4. Use the following Java script to create a Checkbox form.

```
<!-Checkbox.htm ->
<html><head>
<script language="javascript">
function check()
{
  var coffee=document.frmCoffee.chkCoffee
  var txt=""
  for (i=0; i<coffee.length; ++ i)
  {
   if (coffee[i].checked)
   {
     txt=txt + coffee[i].value + " "
   }
  }
  document.frmCoffee.txtAnswer.value = "You ordered a coffee with " + txt
}
</script>
</head>
<body>
<form name="frmCoffee">
How would you like your coffee?<br>
<input type="checkbox" name="chkCoffee" value="milk">With milk<br>
<input type="checkbox" name="chkCoffee" value="sugar">With sugar<br>
<input type="text" name="txtAnswer" readonly="true" size="40">
<input type="button" name="test" onclick="check()" value="Order">
</form></body></html>
```

Modify the form to add in two more options to the the checkboxes – Croissant and Biscuit.

There is a problem with the form. If you make no selection and click the "Order"button, it will still write "Your ordered a coffee with_____" – not ideal!

Modify the script to check that the user has checked at least one box and ask them to check at least one in the text field.