

Javascript Exercises Lab 1

In these exercise you will learn some of the basics of Javascript.

Exercise 1 – First Page with Javascript:

Copy the following HTML into file:

```
<html>
<body>

<h1>My First Web Page</h1>

<script type="text/javascript">
document.write("<p>" + Date() + "</p>");
</script>

</body>
</html>
```

Save it as js_ex1.html

Exercise 2 – Display Date:

Copy the following HTML into file:

```
<html>
<head>
<script type="text/javascript">
function displayDate()
{
document.getElementById("demo").innerHTML=Date();
}
</script>
</head>
<body>

<h1>My First Web Page</h1>
<p id="demo">This is a paragraph.</p>

<button type="button" onclick="displayDate()">Display Date</button>
```

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```
</body>  
</html>
```

Save it as js_ex2.html

Exercise 3 – Write HTML with Javascript:

Copy the following HTML into file:

```
<html>  
<body>  
  
<script type="text/javascript">  
document.write("<h1>This is a heading</h1>");  
document.write("<p>This is a paragraph.</p>");  
document.write("<p>This is another paragraph.</p>");  
</script>  
  
</body>  
</html>
```

Save it as js_ex3.html

Exercise 4 - Perform basic maths with Javascript:

Copy the following HTML into file:

```
<html>  
<body>  
  
<script type="text/javascript">  
var x;  
x=5+5;  
document.write(x);  
</script>  
  
</body>  
</html>
```

Save it as js_ex4.html

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Exercise 5 - Check the time – if statement:

Copy the following HTML into file:

```
<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>
```

Save it as js_ex5.html

Exercise 6 – If else Statement

Copy the following HTML into file:

```
<html>
<body>

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

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

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

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

```
</body>
</html>
```

Save it as js_ex6.html

Exercise 7 – Javascript alerts:

Copy the following HTML into file:

```
<html>
<head>
<script type="text/javascript">
function show_alert()
{
alert("I am an alert box!");
}
</script>
</head>
<body>

<input type="button" onclick="show_alert()" value="Show alert box" />

</body>
</html>
```

Save it as js_ex7.html

Exercise 8 – Prompt box:

Copy the following HTML into file:

```
<html>
<head>
<script type="text/javascript">
function show_confirm()
{
```

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```
var r=confirm("Press a button");
if (r==true)
{
    alert("You pressed OK!");
}
else
{
    alert("You pressed Cancel!");
}
}
</script>
</head>
<body>
```

```
<input type="button" onclick="show_confirm()" value="Show confirm box" />

</body>
</html>
```

Save it as js_ex8.html

Exercise 9 – Using Functions to total purchases:

Copy the following HTML into file:

```
<html>
<head>
<script type="text/javascript">
function product(a,b)
{
    return a*b;
}
</script>
</head>

<body>
<script type="text/javascript">
document.write(product(4,3));
</script>

</body>
</html>
```

Save it as js_ex9.html

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Exercise 10 – Using Loops – For loop:

Copy the following HTML into file:

```
<html>
<body>
<script type="text/javascript">
var i=0;
for (i=0;i<=5;i++)
{
document.write("The number is " + i);
document.write("<br />");
}
</script>
</body>
</html>
```

Save it as js_ex10.html

Exercise 11 – While Loop:

Copy the following HTML into file:

```
<html>
<body>
<script type="text/javascript">
var i=0;
while (i<=5)
{
document.write("The number is " + i);
document.write("<br />");
i++;
}
</script>
</body>
</html>
```

Save it as js_ex11.html

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Exercise 12 – Dropdown menu:

Copy the following HTML into file:

```
<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>
```

Save it as js_ex12.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”.

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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>
```
