JAVASCRIPT

1. Script to display a message on the webpage document.

```
<html>

<head><title>First Javascript Program</title>

<script type=text/javascript>

  document.write("Welcome to Javascript");

</script>

</head>  <body></body>

</html>
```

2. Script to demonstrate the use of If..else statement

```
<script type=text/javascript>

var marks;

marks=parseInt(window.prompt("Enter the marks"));

if (marks>=60)

 document.write("Passed");

else

 document.write("Failed");

</script>
```

3. Script to demonstrate the use of While statement

```
<script type=text/javascript>

var i=1;

while(i<=6)

 {   document.write("<h"+i+">Jazan University</h"+i+">");

 i++;   }

</script>
```

4. Script to demonstrate Onclick event

```html
<html>

<head>

<script type="text/javascript">

function display()

{

window.alert("Welcome");

 }

</script>

</head>

<body onclick="display()"></body>

</html>
```

5. Script to demonstrate the onload event

```html
<html>

<head>

<title>OnClick and OnLoad Event</title>

<script type=text/javascript>

function changecolor()

{

 document.bgColor="brown";

 }

 function display()

 {

  window.alert("Welcome");

 }
```

```
</script>

</head>

<body onclick="changecolor()" onload="display()">

</body>

</html>
```

Note:

onFocus, onBlur and onChange

The onFocus, onBlur and onChange events are often used in combination with validation of form fields.

onSubmit

The onSubmit event is used to validate ALL form fields before submitting it.

6. Script to check non-empty elements.

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

function notEmpty(elem, helperMsg){

        if(elem.value.length == 0){

                alert(helperMsg);

                elem.focus();

                return false;

        }

        return true;

}

</script>

<form>

Required Field: <input type='text' id='req1'/>

<input type='button'

        onclick="notEmpty(document.getElementById('req1'), 'Please Enter a Value')"
```

```
        value='Check Field' />

</form>
```

7. Script to validate that the input is all digits.

```
<script type='text/javascript'>
function isNumeric(elem, helperMsg){
        var numericExpression = /^[0-9]+$/;
        if(elem.value.match(numericExpression)){
                return true;
        }else{
                alert(helperMsg);
                elem.focus();
                return false;
        }        }
</script>
<form>
Numbers Only: <input type='text' id='numbers'/>
<input type='button'
        onclick="isNumeric(document.getElementById('numbers'), 'Numbers Only Please')"
        value='Check Field' />
</form>
```

8. Script to validate that the input is all alphabets form a-z and A-Z.

```
<script type='text/javascript'>
function isAlphabet(elem, helperMsg){
        var alphaExp = /^[a-zA-Z]+$/;
```

```javascript
        if(elem.value.match(alphaExp)){

                return true;

        }else{

                alert(helperMsg);

                elem.focus();

                return false;

        }

}
```

```html
</script>

<form>

Letters Only: <input type='text' id='letters'/>

<input type='button'

        onclick="isAlphabet(document.getElementById('letters'), 'Letters Only Please')"

        value='Check Field' />

</form>
```