

01_01 UNDERSTANDING EVENT REGISTRATION

- Three ways of event registration :
 1. Using tag attributes
 2. Using Dot Notation
 3. Using `addEventListener()` function

1. Using tag attributes

-> supported by all browsers (including oldest ones)

-> not a good option as script is messed up with html.

```
<!doctype html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <title>JavaScript Events</title>

  <link rel="stylesheet" href="style.css">

</head>

<body>

  <ul>

    <li></li>

    <li></li>

    <li></li>

    <li></li>
```

```
<li></li>
<li></li>
<li></li>
<li></li>
<li></li>
</ul>
</body>
</html>
```

2. Using Dot Notation

```
<!doctype html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>JavaScript Events</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>
  <ul>
    <li></li>
    <li></li>
    <li></li>
    <li></li>
    <li></li>
```

```

<li></li>
<li></li>
<li></li>
<li></li>
</ul>

<script>
    document.getElementById("pink").onclick = function
()
    {
        alert("clicked on pink");
    };
</script>
</body>
</html>

```

3. **Using addEventListener() Method**

-> takes three arguments :

(i) DOM element on which event is to be applied.

(ii) Event handler function

(iii) A boolean value (true/false) depending on if event bubbling is to be allowed or not.

-> IE8 and below don't support this method. They provide a similar method "attachEvent()".

```

<!doctype html>
<html lang="en">

```

```
<head>
  <meta charset="UTF-8">
  <title>JavaScript Events</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>
  <ul>
    <li></li>
    <li></li>
    <li></li>
    <li></li>
    <li></li>
    <li></li>
    <li></li>
    <li></li>
    <li></li>
  </ul>

  <script>
    document.getElementById("pink").addEventListener(
      "click", function()
      {
        alert("clicked on pink");
      },false);
  </script>
</body>
</html>
```

style.css

```
body {  
    background: #EAE3CB;  
}  
  
ul {  
    margin: 0 auto;  
    margin-top: 50px;  
    padding: 0;  
    width: 320px;  
}  
  
ul li {  
    list-style: none;  
    display: inline-block;  
}
```