add Event Listener and remove Event Listener
add Event Listener is used to assign multiple handlers to an event.

element . add Event Listener (event , handler)

element . remove Event Listener (event , handler)

↳ handler must be the same function object for this to work

1) ADDEVENTLISTENER

```html
<!DOCTYPE html>
<html>
  <head></head>
  <body>
    <button id="btn">CLICK ME</button>
    <script src="addeve.js"></script>
  </body>
</html>
```

deve.js > btn.addEventListener("click") callback

```javascript
btn.addEventListener("click", function (e) {
  alert("SARANAM AYYAPPA");
});
```

CLICK ME

This page says

SARANAM AYYAPPA

OK

2.ADDEVENT LISTENER

```
deventlistener.html > html > body > script
<!DOCTYPE html>
<html>
  <head></head>
  <body>
    <button id="btn">CLICK ME</button>
    <script src="addeve.js"></script>
  </body>
</html>
```
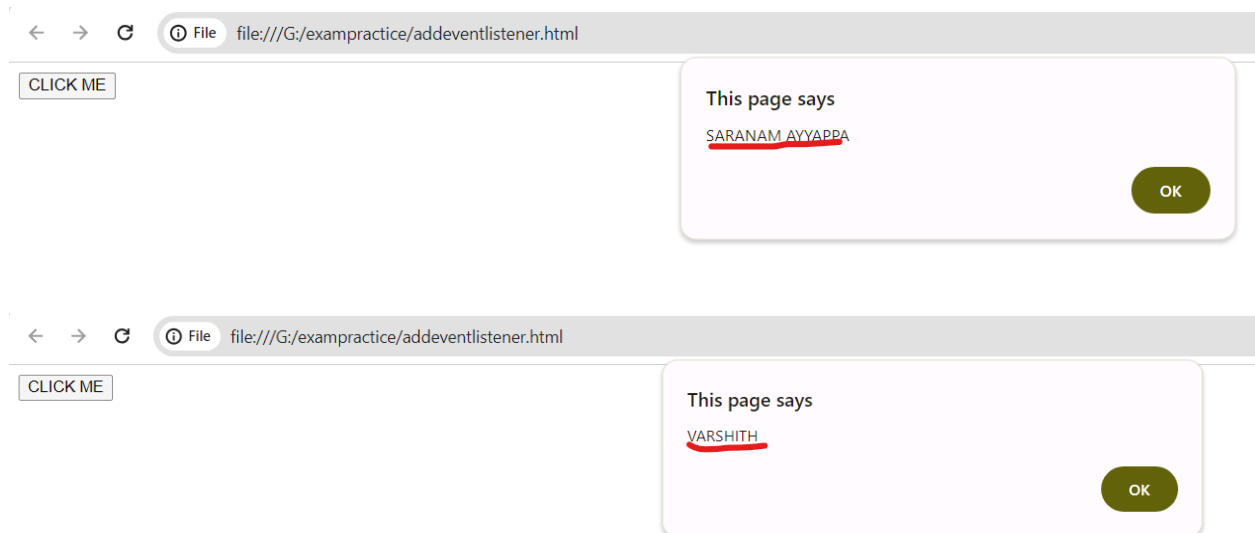
```
deve.js > btn.addEventListener("click") callback
btn.addEventListener("click", function (e) {
  alert("SARANAM AYYAPPA");
});

btn.addEventListener("click", function (e) {
  alert("VARSHITH");
});
```

WE WILL GET 2 POP UPS

3.REMOVEEVENTLISTENER

```html
addeventlistener.html > html > body > script
1  <!DOCTYPE html>
2  <html>
3    <head></head>
4    <body>
5      <button id="btn">CLICK ME</button>
6      <script src="addeve.js"></script>
7    </body>
8  </html>
9
```
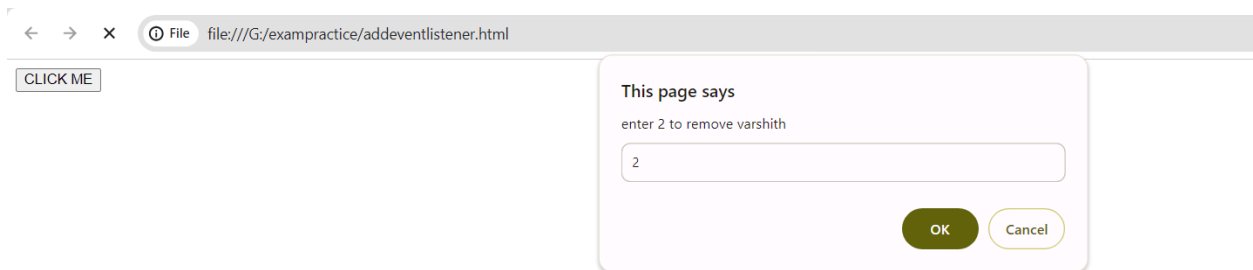
```javascript
eve.js > ...
let x = function (e) {
  alert("HELLO WORLD");
};
let y = function (e) {
  alert("VARSHITH");
};
btn.addEventListener("click", x);

btn.addEventListener("click", y);

let a = prompt("enter 2 to remove varshith");
if (a == "2") {
  btn.removeEventListener("click", y);
}
```

File   file:///G:/exampractice/addeventlistener.html

CLICK ME

This page says

enter 2 to remove varshith

2

OK   Cancel

Varshith removed we will only get HELLO WORLD

CLICK ME

This page says

HELLO WORLD

OK