

# Create select option dynamically

- `<!DOCTYPE html>`
- `<html>`
- `<body>`
- `<select id="s"></select>`
- `<script>`
- `let fruits = ["Apple", "Orange", "Banana", "Cherry"];`
- `let opt = document.createElement("option");`
- `for (let i = 0; i < fruits.length; i++) {`
- `s.options[i] = new Option(fruits[i], fruits[i]);`
- `}`
- `</script>`
- `</body>`
- `</html>`

# Create checkox/radio dynamically

- <!DOCTYPE html>
- <html>
- <body>
- <div id="d1"></div>
- <script>
- let fruits = ["Apple", "Orange", "Banana", "Cherry"];
- for (let i = 0; i < fruits.length; i++) {
- let opt = document.createElement("input");
- let lbl = document.createElement("label");
- opt.type = "checkbox";
- opt.name = fruits[i];
- opt.value = fruits[i];
- lbl.innerHTML = fruits[i];
- d1.append(lbl)
- d1.append(opt);
- }
- </script>
- </body>
- </html>

# Module Import/Export - multiple

```
function add(x,y){  
  return x+y  
}  
function subtract(x,y){  
  return x-y  
}  
export {add, subtract}  
.....  
import {add,subtract} from "./calc.js"  
  let sum = add(4,5)  
  console.log(sum)  
  let difference = subtract(8,3)  
  console.log(difference)
```

# Module Import/Export

```
calc.js  
function add(x,y){  
  return x+y  
}  
export default add
```

```
.....  
<script type="module">  
  import add from "./calc.js"  
  let sum = add(4,5)  
  console.log(sum)  
</script>
```

# Ternary/conditional operator ‘?’

```
let isEligible = (age > 18) ? true : false;
```

Try multiple condition  
condition1

    ? true\_expression1

    : condition2

        ? true\_expression2

        : else\_expression2

# Switch statement

```
let price = 40;
switch (price) {
  case 30:
    alert( 'Too Cheap' );
    break;

  case 40:
    alert( 'Perfect Price' );
    break;

  case 50:
    alert( 'Too Costly' );
    break;

  default:
    alert( "I don't know the price" );
}
```

# Functions (...args) vs arguments

```
<script>
function sum(){
  let sum=0
  for (let i=0;i<arguments.length;i++){
    sum = sum + arguments[i]
  }
  alert(sum)
}
sum(2,3,4,5)
```

```
.....
function sum(...args) {
  let sum = 0;
  for (let i = 0; i < args.length; i++) {
    sum = sum + args[i];
  }
  console.log(sum);
}
sum(2, 3, 4, 5);
```

```
</script>
```

# Window Object setTimeout

```
<html>
<body>
<p>Wait 5 seconds for the message:</p>
<h2 id="demo"></h2>
<script>
  const myTimeout = setTimeout(myfunc, 5000);
  function myfunc() {
    document.querySelector("#demo").innerHTML = "Hello World"
  }
</script>
</body>
</html>
```



# setInterval/clearinterval

```
<body>
  <div id="divTimer"></div>
  <p>
    <button onclick="restartTimer()">Reset</button>
    <button onclick="stopTimer()">Stop</button>
  </p>
  <script>
    var myInterval = setInterval(startTimer, 1000);
    var timer = 0;
    function startTimer() {
      timer += 1;
      divTimer.innerHTML = timer;
    }
    function stopTimer() {
      clearInterval(myInterval);
    }
    function restartTimer() {
      timer = 0;
      myInterval = setInterval(startTimer, 1000);
    }
  </script>
</body>
```