

Rajesh Patkar

# DYNAMIC CONTENT

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## STRUCTURED PROGRAMMING

### 1. Text Output

**Explore.js**



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```
var i = 0;  
do{  
    console.log("Hello World");  
    i = i + 1;  
}while(i < 5);
```

### Output.html

```
console.log("Welcome to Dynamic Content Generation");  
  
var i = 0;  
  
do{  
    console.log("Hello World");  
  
    i = i + 1;  
  
}while(i < 5);
```

## 2. Header <h1> and </h2>

### Explore.js

```
console.log("<h1> Welcome to Dynamic Content Generation</h1>");  
var i = 0;  
do{  
    console.log("<h2> Hello World </h2>");  
    i = i + 1;  
}while(i < 5);
```

### Output.html

```
<h1> Welcome to Dynamic Content Generation</h1>  
<h2> Hello World </h2>  
<h2> Hello World </h2>  
<h2> Hello World </h2>  
<h2> Hello World </h2>  
<h2> Hello World </h2>
```



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## Explore.js

```
console.log("<h1>Welcome to Dynamic Content Generation</h1>");
console.log("<hr/>");
var i = 2;
while(i <= 6){
    console.log("<h"+i+">Hello World</h"+i+">");
    i = i + 1;
}
```

## Output.html

```
<h1>Welcome to Dynamic Content Generation</h1>
<hr/>
<h2>Hello World</h2>
<h3>Hello World</h3>
<h4>Hello World</h4>
<h5>Hello World</h5>
<h6>Hello World</h6>
```

## 4. Ordered List

### Explore.js

```
console.log("<h1>Welcome to Ordered Lists</h1>");
console.log("<hr/>");
console.log("<ol>");
var i = 0;
while(i < 5){
    console.log("<li>Hello World "+i+"</li>");
    i = i + 1;
}

console.log("</ol>");
```

## Output.html



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```
<ol>  
<li>Hello World 0</li>  
<li>Hello World 1</li>  
<li>Hello World 2</li>  
<li>Hello World 3</li>  
<li>Hello World 4</li>  
</ol>
```

## 4. UnOrdered List

### Explore.js

```
console.log("<h1>Welcome to Unordered Lists</h1>");  
console.log("<hr/>");  
console.log("<ul>");  
var i = 0;  
do{  
    console.log("\t<li>Hello World "+i+"</li>");  
    i = i + 1;  
}while(i<5);  
console.log("</ul>")
```

### Output.html

```
<h1>Welcome to Unordered Lists</h1>  
<hr/>  
<ul>  
    <li>Hello World 0</li>  
    <li>Hello World 1</li>  
    <li>Hello World 2</li>  
    <li>Hello World 3</li>  
    <li>Hello World 4</li>  
</ul>
```

## 5. Description List

### Explore.js

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```
console.log("<h1>Welcome to Description List</h1>");  
console.log("<dl>");  
for(var i = 0 ; i < 5 ; i++){  
    console.log(`\t<dt>${i}</dt>`)  
    console.log(`\t<dd>\n\t\tHello World ${i}\n\t</dd>`);  
}  
console.log("</dl>");
```

### Output.html

```
<h1>Welcome to Description List</h1>  
<hr/>  
<dl>  
    <dt>0</dt>  
    <dd>  
        Hello World 0  
    </dd>  
    <dt>1</dt>  
    <dd>  
        Hello World 1  
    </dd>  
    <dt>2</dt>  
    <dd>  
        Hello World 2  
    </dd>  
    <dt>3</dt>  
    <dd>  
        Hello World 3  
    </dd>  
    <dt>4</dt>  
    <dd>  
        Hello World 4  
    </dd>  
</dl>
```

## 6. Multi-line Strings



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```
console.log("<h1>Welcome to Definition Lists</h1>");
console.log("<hr/>");
console.log("<dl>");
for(var i = 0 ; i < 5 ; i++){
    console.log(`    <dt>
        ${i}
    </dt>`
);
    console.log(`    <dd>
        Hello World ${i}
    </dd>`
);
}
console.log("</dl>");
```

### Output.txt



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```
<dl>
  <dt>
    0
  </dt>
  <dd>
    Hello World 0
  </dd>
  <dt>
    1
  </dt>
  <dd>
    Hello World 1
  </dd>
  <dt>
    2
  </dt>
  <dd>
    Hello World 2
  </dd>
  <dt>
    3
  </dt>
  <dd>
    Hello World 3
  </dd>
  <dt>
    4
  </dt>
  <dd>
    Hello World 4
  </dd>
</dl>
```

## 7. Select Tag - Array

Explore.js

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```
console.log("<h1>Welcome to Select Tag </h1>");  
console.log("<hr/>");  
console.log("<select>");  
for(var i = 0 ; i < data.length; i++){  
    console.log(`\t<option>${data[i]}</option>`);  
}  
console.log("</select>");
```

### Output.html

```
<h1>Welcome to Select Tag </h1>  
<hr/>  
<select>  
    <option>apples</option>  
    <option>oranges</option>  
    <option>pineapple</option>  
    <option>mango</option>  
</select>
```

## 8. Input - datalist.

### Explore.js

```
var data = ["apples","oranges","pineapple","mango"];  
console.log("<h1>Welcome to Input Tag </h1>");  
console.log("<hr/>");  
console.log("<input list='fruits' placeholder='Fruit Name' size='40'>");  
console.log("<datalist id='fruits'>")  
for(var i = 0 ; i < data.length; i++){  
    console.log(`\t<option>${data[i]}</option>`);  
}  
console.log("</datalist>");
```

### Output.html





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```
<input list='fruits' placeholder='Fruit Name' size='40'>  
<datalist id='fruits'>  
  <option>apples</option>  
  <option>oranges</option>  
  <option>pineapple</option>  
  <option>mango</option>  
</datalist>
```

## 9. Shift, Unshift, Push, Pop - Array

### Explore.js



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```
console.log("<h1>Welcome to Array Operations Page </h1> ");
console.log("<hr/>");
console.log("<input list='fruits' placeholder='Fruit Name'
size='40'>");
console.log("<datalist id='fruits'>")
for(var v in data){
    console.log(`\t<option>${data[v]}</option>`);
}
console.log("</datalist>");
console.log("<hr/>");
data.push("coconut");
data.unshift("fig");
console.log("<input list='morefruits' placeholder='Fruit Name'
size='40'>");
console.log("<datalist id='morefruits'>")
for(v of data){
    console.log(`\t<option>${v}</option>`);
}
console.log("</datalist>");
console.log("<hr/>");
data.pop();
data.pop();
data.shift();
data.shift();
console.log("<input list='lessfruits' placeholder='Fruit Name'
size='40'>");
console.log("<datalist id='lessfruits'>")
for(v of data){
    console.log(`\t<option>${v}</option>`);
}
console.log("</datalist>");
```

## Output.html



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```
<input />
<input list='fruits' placeholder='Fruit Name' size='40'>
<datalist id='fruits'>
  <option>apples</option>
  <option>oranges</option>
  <option>pineapple</option>
  <option>mango</option>
</datalist>
<hr/>
<input list='morefruits' placeholder='Fruit Name' size='40'>
<datalist id='morefruits'>
  <option>fig</option>
  <option>apples</option>
  <option>oranges</option>
  <option>pineapple</option>
  <option>mango</option>
  <option>coconut</option>
</datalist>
<hr/>
<input list='lessfruits' placeholder='Fruit Name' size='40'>
<datalist id='lessfruits'>
  <option>oranges</option>
  <option>pineapple</option>
</datalist>
```

## 10. Function Rendering Input Tag.

### Explore.js



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```
console.log("<input type='text' placeholder='Fruit Name' size='40'>");
console.log("<datalist id='fruits'>")
for(var v in data){
    console.log(`\t<option>${data[v]}</option>`);
}
console.log("</datalist>");
}

var data = ["apples","oranges","pineapple","mango"];
console.log("<h1>Welcome to Function Rendering</h1>");
console.log("<hr/>");
RenderInputTag();
console.log("<hr/>");
data.push("coconut");
data.unshift("fig");
RenderInputTag();
console.log("<hr/>");
data.pop();
data.pop();
data.shift();
data.shift();
RenderInputTag();
```

### Output.txt



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```
</>
<input list='fruits' placeholder='Fruit Name' size='40'>
<datalist id='fruits'>
  <option>apples</option>
  <option>oranges</option>
  <option>pineapple</option>
  <option>mango</option>
</datalist>
<hr/>
<input list='fruits' placeholder='Fruit Name' size='40'>
<datalist id='fruits'>
  <option>fig</option>
  <option>apples</option>
  <option>oranges</option>
  <option>pineapple</option>
  <option>mango</option>
  <option>coconut</option>
</datalist>
<hr/>
<input list='fruits' placeholder='Fruit Name' size='40'>
<datalist id='fruits'>
  <option>oranges</option>
  <option>pineapple</option>
</datalist>
```

