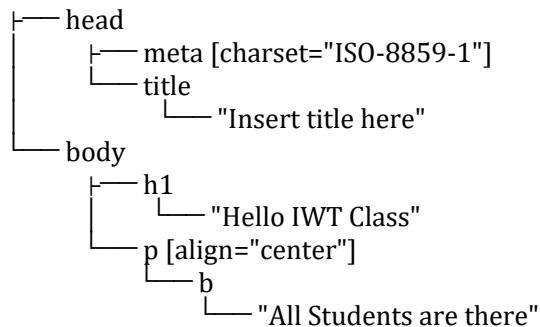


(Q1)

```
<script>
let str = "JavaScript";
document.write(str.substring(0, 4) + "<br>");
document.write(str.substr(4, 6) + "<br>");
document.write(str.slice(-6) + "<br>");
</script>
```

(Q2)

```
<script>
let arr = [10, 20, 30];
document.write("Original Array: " + arr + "<br>");
arr.push(40);
document.write("After push(): " + arr + "<br>");
arr.pop();
document.write("After pop(): " + arr + "<br>");
arr.shift();
document.write("After shift(): " + arr + "<br>");
arr.unshift(5);
document.write("After unshift(): " + arr + "<br>");
arr.splice(1, 1, 15);
document.write("After splice(): " + arr + "<br>");
arr.reverse();
document.write("After reverse(): " + arr + "<br>");
arr.sort();
document.write("After sort(): " + arr + "<br>");
</script>
```

(Q3)**html****(Q4)**

```
<p id="demo">Hello</p>
```

```
<p class="cls">Paragraph 1</p>
```

```
<p class="cls">Paragraph 2</p>
```

```
<script>
```

```
document.getElementById("demo").innerHTML = "Changed by ID";
```

```
let c = document.getElementsByClassName("cls");
```

```
c[0].innerText = "Changed by Class";
```

```
let t = document.getElementsByTagName("p");
```

```
t[2].style.color = "red";
```

```
</script>
```

(Q5)

```
<p class="test">One</p>
<p class="test">Two</p>
```

```
<script>
document.querySelector(".test").style.color = "blue";
```

```
let all = document.querySelectorAll(".test");
all[1].innerText = "Modified";
</script>
```

(Q6)

```
<div id="box"></div>
```

```
<script>
let p = document.createElement("p");
p.innerText = "New Paragraph Added";
```

```
document.getElementById("box").appendChild(p);
</script>
```

(Q7)

```
<form onsubmit="return validate()">
Username: <input type="text" id="u"><br>
Password: <input type="password" id="p"><br>
<input type="submit" value="Login">
</form>
```

```
<script>
function validate() {
  if (u.value == "") {
    alert("Enter Username");
    u.focus();
    return false;
  }
  if (p.value == "") {
    alert("Enter Password");
    p.focus();
    return false;
  }
  alert("Successfully Login");
  window.location = "a6q7.html";
  return false;
}
</script>
```

(Q8)

```
<form onsubmit="return check()">
<input id="u" placeholder="Username"><br>
<input type="password" id="p" placeholder="Password"><br>
<input type="submit">
</form>
```

```
<script>
function check() {
let user = /^(?=.*[A-Z])(?=.*[a-z])(?=.*\d).+$/;
let pass = /^(?=.*[A-Z])(?=.*[a-z])(?=.*\d)(?=.*[@#]).+$/;

if (!user.test(u.value)) {
  alert("Invalid Username");
  u.focus();
  return false;
}
if (!pass.test(p.value)) {
  alert("Invalid Password");
  p.focus();
  return false;
}
alert("Successfully Login");
return true;
}
</script>
```

(Q9)

```
<link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
```

```
<input type="password" id="pwd">
<i class="fa fa-eye" onclick="toggle()"></i>
```

```
<script>
function toggle() {
let p = document.getElementById("pwd");
p.type = (p.type === "password") ? "text" : "password";
}
</script>
```

(Q10)

```
<!DOCTYPE html>
<html>
<head>
<title>File Preview</title>
<style>
body{font-family:Arial}
#box{border:2px solid #000;height:250px;margin-top:10px}
</style>
</head>

<body>

<h3>Registration</h3>

<form>
<input type="text" placeholder="Name" required><br>
<input type="email" placeholder="Email" required><br>
<input type="file" id="f" accept=".jpg,.png,.jpeg,.pdf,.doc,.docx"><br>
<button type="button" onclick="p()">Preview</button>
</form>

<div id="box">Preview here</div>

<script>
function p(){
let file=document.getElementById("f").files[0];
let box=document.getElementById("box");
if(!file){alert("Select file");return;}
let url=URL.createObjectURL(file);
box.innerHTML=file.type.startsWith("image/")
?``
: `<iframe src="${url}" width="100%" height="100%"></iframe>`;
}
</script>

</body>
</html>
```