ARUNIMA SINGH THAKUR

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31, C, CSE

IT LAB 5

3RD MAY 2021

Question1:

studentapp/views.py

```
from django.shortcuts import render
from django.http import HttpResponse

def index(request):
    return render(request, 'index.html')
```

studentapp/urls.py

```
from django.urls import path

from . import views

urlpatterns = [
    path(", views.index, name='index'),
]
```

/urls.py

```
from django.contrib import admin
from django.urls import include, path

urlpatterns = [
   path(", include('studentapp.urls')),
   path('admin/', admin.site.urls),

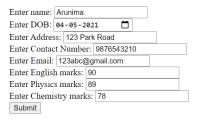
]
```

studentapp/templates/index.html

```
<!DOCTYPE html>
<html lang="en">
 <head>
  <meta charset="UTF-8" />
  <meta http-equiv="X-UA-Compatible" content="IE=edge" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <title>Student App</title>
 </head>
 <body>
  <h1>Student App</h1>
  <div id="container">
   <form id="student-form">
    <input type="text" id="name" placeholder="Name" />
    <input type="email" id="email" placeholder="Email" />
    <label for="dob">Date of birth:</label>
    <input type="date" id="dob" />
    <label for="address">Address</label>
    <textarea id="address" form="student-form"></textarea>
    <label for="eng">English Marks: </label>
    <input type="number" id="eng" placeholder="English" />
    <label for="phy">Physics Marks: </label>
    <input type="number" id="phy" placeholder="Physics" />
    <label for="chem">Chemistry Marks: </label>
    <input type="number" id="chem" placeholder="Chemistry" />
    <button id="submit-btn" type="submit">Submit</button>
   </form>
   <div id="results"></div>
  </div>
  <script>
   document
    .getElementById("submit-btn")
    .addEventListener("click", function (event) {
     event.preventDefault();
     results();
   function results() {
    console.log("lmao");
    const resultDiv = document.getElementById("results");
    while (resultDiv.firstChild) {
     resultDiv.removeChild(resultDiv.lastChild);
```

```
let name = document.createElement("h2");
  name.innerHTML = document.getElementById("name").value;
  let email = document.createElement("h3");
  email.innerHTML = document.getElementById("email").value;
  let dob = document.createElement("h3");
  dob.innerHTML = document.getElementById("dob").value;
  let address = document.createElement("h4");
  address.innerHTML = document.getElementById("address").value;
  let eng = document.createElement("p");
  eng.innerHTML = `English: ${document.getElementById("eng").value}`;
  let phy = document.createElement("p");
  phy.innerHTML = `Physics: ${document.getElementById("phy").value}`;
  let chem = document.createElement("p");
  chem.innerHTML = `Chemistry: ${document.getElementById("chem").value}';
  resultDiv.appendChild(name);
  resultDiv.appendChild(email);
  resultDiv.appendChild(dob);
  resultDiv.appendChild(address);
  resultDiv.appendChild(eng);
  resultDiv.appendChild(phy);
  resultDiv.appendChild(chem);
</script>
<style>
#container {
 display: flex;
  flex-direction: row;
#results {
 flex: 1;
  flex-grow: 1;
form {
  flex: 1;
  display: flex;
  flex-direction: column;
  width: 50%;
  margin-right: 16px;
input,
textarea,
button {
  padding: 8px;
  margin-bottom: 16px;
```

```
}
label {
  margin-bottom: 4px;
}
  </style>
  </body>
  </html>
```



• Name: Arunima DOB :2021-05-04 Address :123 Park Road Pno :9876543210 Email :123abc@gmail.com Average Marks :85.666666666666667

Question 2

employeeapp/views.py

from django.shortcuts import render from django.http import HttpResponse

```
def index(request):
return render(request, 'index.html')
```

employeeapp/urls.py

```
from django.urls import path

from . import views

urlpatterns = [
    path(", views.index, name='index'),
]
```

/urls.py

```
from django.contrib import admin
from django.urls import include, path

urlpatterns = [
    path(", include('studentapp.urls')),
    path('admin/', admin.site.urls),

]
```

employeeapp/templates/index.html

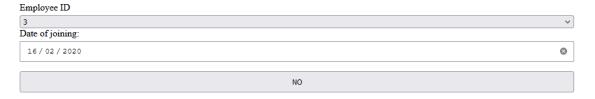
```
<!DOCTYPE html>
<html lang="en">
 <head>
  <meta charset="UTF-8" />
  <meta http-equiv="X-UA-Compatible" content="IE=edge" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <title>Employee App</title>
 </head>
 <body>
  <h1>Employee App</h1>
  <div id="container">
   <form id="student-form">
    <label for="employees">Employee ID</label>
    <select name="employees" id="employees">
     <option value="1">1</option>
     <option value="2">2</option>
     <option value="3">3</option>
     <option value="4">4</option>
     <option value="5">5</option>
```

```
</select>
  <label for="doj">Date of joining:</label>
  <input type="date" id="doj" />
  <button id="submit-btn" type="submit">
   Am I Eligibile for Promotion?
  </button>
 </form>
 <div id="results"> </div>
</div>
<script>
document
  .getElementById("submit-btn")
  .addEventListener("click", function (event) {
   event.preventDefault();
   results();
 function results() {
  console.log("lmao");
  const resultDiv = document.getElementById("results");
  while (resultDiv.firstChild) {
   resultDiv.removeChild(resultDiv.lastChild);
  let id = document.getElementById("employees").value;
  let doj = new Date(document.getElementByld("doj").value);
  let yearsDiff = new Date().getFullYear() - doj.getFullYear();
 if (yearsDiff >= 5) {
   document.getElementById("submit-btn").innerHTML = "YES";
 } else {
   document.getElementById("submit-btn").innerHTML = "NO";
</script>
<style>
#container {
  display: flex;
  flex-direction: row;
#results {
 flex: 1;
  flex-grow: 1;
form {
```

```
flex: 1;
display: flex;
flex-direction: column;
width: 50%;
margin-right: 16px;
}
input,
textarea,
button {
 padding: 8px;
 margin-bottom: 16px;
}
label {
 margin-bottom: 4px;
}
</style>
</body>
</html>
```



Employee App



Question 3:

calculator/views.py

```
from django.shortcuts import render from django.http import HttpResponse
```

```
def index(request):
return render(request, 'index.html')
```

calculator/urls.py

```
from django.urls import path

from . import views

urlpatterns = [
    path(", views.index, name='index'),
]
```

/urls.py

```
from django.contrib import admin
from django.urls import include, path

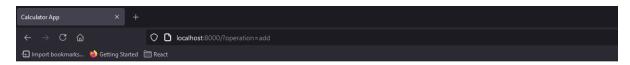
urlpatterns = [
    path(", include('studentapp.urls')),
    path('admin/', admin.site.urls),
]
```

calculator/templates/index.html

```
<!DOCTYPE html>
<html lang="en">
 <head>
  <meta charset="UTF-8" />
  <meta http-equiv="X-UA-Compatible" content="IE=edge" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <title>Calculator App</title>
 </head>
 <body>
  <h1>Calculator App</h1>
  <div id="container">
   <form id="student-form">
    <label for="operation">Operation</label>
    <select name="operation" id="operation">
     <option value="add">Add</option>
     <option value="sub">Subtract</option>
     <option value="mul">Multiply</option>
     <option value="div">Divide</option>
    </select>
```

```
<label for="op1">Operand 1</label>
  <input type="number" id="op1" placeholder="Operand 1" />
  <label for="op2">Operand 2</label>
  <input type="number" id="op2" placeholder="Operand 2" />
  <button id="submit-btn" type="submit">Calculate</button>
 </form>
 <div id="results"></div>
</div>
<script>
document
  .getElementById("submit-btn")
  .addEventListener("click", function (event) {
   event.preventDefault();
   results();
function results() {
  console.log("lmao");
  const resultDiv = document.getElementById("results");
  while (resultDiv.firstChild) {
   resultDiv.removeChild(resultDiv.lastChild);
  let op1 = Number(document.getElementById("op1").value);
  let op2 = Number(document.getElementById("op2").value);
  let operator = document.getElementById("operation").value;
  let ans = null;
  switch (operator) {
   case "add":
    ans = document.createElement("h1");
    ans.innerHTML = `Answer: ${op1 + op2}`;
    document.getElementById("results").appendChild(ans);
    break;
   case "sub":
    ans = document.createElement("h1");
    ans.innerHTML = `Answer: ${op1 - op2}`;
    document.getElementById("results").appendChild(ans);
    break;
   case "mul":
    ans = document.createElement("h1");
    ans.innerHTML = `Answer: ${op1 * op2}`;
    document.getElementById("results").appendChild(ans);
    break;
   case "div":
    ans = document.createElement("h1");
```

```
ans.innerHTML = `Answer: ${op1 / op2}`;
       document.getElementById("results").appendChild(ans);
       break;
     case "default":
       break;
  </script>
  <style>
   #container {
    display: flex;
    flex-direction: row;
   #results {
    flex: 1;
    flex-grow: 1;
   form {
    flex: 1;
    display: flex;
    flex-direction: column;
    width: 50%;
    margin-right: 16px;
   input,
   textarea,
   button {
    padding: 8px;
    margin-bottom: 16px;
   label {
    margin-bottom: 4px;
  </style>
 </body>
</html>
```



Calculator App

