

PRACTICAL – 9

Aim: Create Country State City Dropdown using Ajax in PHP MySQL.

Code:

File: connection.php

```
<?php
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "test";
$conn = mysqli_connect($servername, $username, $password, $dbname);
if (!$conn) {
    die("Connection failed: " . mysqli_connect_error());
}
?>
```

File: Countries.php

```
<?php
include('./connection.php');
$sql = "SELECT id,name FROM countries ";
$result = mysqli_query($conn, $sql);
$countries = array();
while($row = mysqli_fetch_assoc($result)) {
    $countries[] = $row;
}
echo json_encode($countries);
?>
```

File: States.php

```
<?php
include('./connection.php');
$country_id = $_GET['country_id'];
$sql = "SELECT * FROM states WHERE country_id = $country_id";
$result = mysqli_query($conn, $sql);
$states = array();
while($row = mysqli_fetch_assoc($result)) {
    $states[] = $row;
}
echo json_encode($states);
?>
```

File: Cities.php

```
<?php
include('./connection.php');
$state_id = $_GET['state_id'];
$sql = "SELECT * FROM cities WHERE state_id = $state_id";
$result = mysqli_query($conn, $sql);
$cities = array();
while($row = mysqli_fetch_assoc($result)) {
    $cities[] = $row;
}
echo json_encode($cities);
?>
```

File: Pr9.php

```
<select id="country" name="country" onchange="loadStates()">
    <option value="">Select Country</option>
</select><br /><br />
<select id="state" name="state" onchange="loadCities()">
    <option value="">Select State</option>
</select><br />
<select id="city" name="city">
    <option value="">Select City</option>
</select>

<script>
function loadCountries() {
    var xmlhttp = new XMLHttpRequest();
    xmlhttp.open("GET", "countries.php", true);
    xmlhttp.onload = function() {
        if (this.status == 200) {
            var countries = JSON.parse(this.responseText);
            var countryDropdown = document.getElementById("country");
            countries.forEach(function(country) {
                var option = document.createElement("option");
                option.text = country.name;
                option.value = country.id;
                countryDropdown.appendChild(option);
            });
        } else {
            console.error("Failed to load countries");
        }
    }
}
```

```
};
xmlhttp.send();
}

function loadStates() {
    var countryId = document.getElementById("country").value;
    if (countryId) {
        var xmlhttp = new XMLHttpRequest();
        xmlhttp.open("GET", "states.php?country_id=" + countryId, true);
        xmlhttp.onload = function() {
            if (this.status == 200) {
                var states = JSON.parse(this.responseText);
                var stateDropdown = document.getElementById("state");
                stateDropdown.innerHTML = "<option value=''>Select State</option>";
                states.forEach(function(state) {
                    var option = document.createElement("option");
                    option.text = state.name;
                    option.value = state.id;
                    stateDropdown.appendChild(option);
                });
                stateDropdown.style.display = "block";
                document.getElementById("city").style.display = "none";
            } else {
                console.error("Failed to load states");
            }
        };
        xmlhttp.send();
    } else {
        document.getElementById("state").style.display = "none";
        document.getElementById("city").style.display = "none";
    }
}

function loadCities() {
    var stateId = document.getElementById("state").value;
    if (stateId) {
        var xmlhttp = new XMLHttpRequest();
        xmlhttp.open("GET", "cities.php?state_id=" + stateId, true);
        xmlhttp.onload = function() {
            if (this.status == 200) {
                var cities = JSON.parse(this.responseText);
            }
        };
    }
}
```

```

var cityDropdown = document.getElementById("city");
cityDropdown.innerHTML = "<option value=''>Select City</option>";
cities.forEach(function(city) {
    var option = document.createElement("option");
    option.text = city.city;
    option.value = city.id;
    cityDropdown.appendChild(option);
});
cityDropdown.style.display = "block";
} else {
    console.error("Failed to load cities");
}
};
xmlhttp.send();
} else {
    document.getElementById("city").style.display = "none";
}
}

document.addEventListener("DOMContentLoaded", function() {
    loadCountries();
    document.getElementById("state").style.display = "none";
    document.getElementById("city").style.display = "none";
});
</script>

```

Output

