**Slip 4**

**Q1 fetch the details using ng-repeat in AngularJS**

<!DOCTYPE html>

<html>

<head>

<script src=

"https://ajax.googleapis.com/ajax/libs/angularjs/1.6.9/angular.min.js">

</script>

<title>

Fetching the details using the ng-repeat Directive

</title>

<style>

body {

text-align: center;

font-family: Arial, Helvetica, sans-serif;

}

table {

margin-left: auto;

margin-right: auto;

}

</style>

</head>

<body ng-app="myTable">

<h1 style="color:green">GeeksforGeeks</h1>

<h3>

Fetching the details using the ng-repeat Directive

</h3>

<table ng-controller="control" border="2">

<tr ng-repeat="x in records">

<td>{{x.Country}}</td>

<td>{{x.Capital}}</td>

</tr>

</table>

<script>

var app = angular.module("myTable", []);

app.controller("control", function ($scope) {

$scope.records = [

{

"Country": "India",

"Capital": "Delhi"

},

{

"Country": "America ",

"Capital": "Washington, D.C. "

},

{

"Country": "Germany",

"Capital": "Berlin"

},

{

"Country": "Japan",

"Capital": "Tokyo"

}

]

});

</script>

</body>

</html>

**Q2. Express.js application to include middleware for parsing request bodies**

**(e.g., JSON, form data) and validating input data**

const express = require('express');

const bodyParser = require('body-parser');

const { body, validationResult } = require('express-validator');

const app = express();

const PORT = 3000;

// Middleware for parsing JSON and form data

app.use(bodyParser.json());

app.use(bodyParser.urlencoded({ extended: true }));

// Sample route with input validation

app.post(

'/submit',

[

// Validation checks

body('username').isLength({ min: 3 }).withMessage('Username must be at least 3

characters long'),

body('email').isEmail().withMessage('Enter a valid email address'),

body('age').isInt({ min: 1 }).withMessage('Age must be a positive integer'),

],

(req, res) => {

// Check validation results

const errors = validationResult(req);

if (!errors.isEmpty()) {

return res.status(400).json({ errors: errors.array() });

}

// If validation passes, process the request

const { username, email, age } = req.body;

res.status(200).json({ message: 'Data received successfully', data: { username,

email, age } });

}

);

// Default route

app.get('/', (req, res) => {

res.send('Welcome to the Express.js application!');

});

// Start the server

app.listen(PORT, () => {

console.log(`Server is running on http://localhost:${PORT}`);

});