Slip 6

Q.1) Write angular JS by using ng-click directive to display an alert message after clicking the Element. <html lang="en" ng-app="clickApp">

<head> <title>AngularJS Click Example</title>

<script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.2/angular.min.js"></script>

</head> <body ng-controller="clickController">

<button ng-click="showAlert()">Click Me</button>

<script> angular.module('clickApp', [])

.controller('clickController', function($scope) {

$scope.showAlert = function() {

alert('Button Clicked!');

}; }); </script> </body> </html>

Q.2) Create a Node.js file that opens the requested file and returns the content to the client. If anything goes wrong, throw a 404 error.

// server.js

const http = require('http');

const fs = require('fs');

const url = require('url');

http.createServer((req, res) => {

const q = url.parse(req.url, true);

const filename = "." + q.pathname;

fs.readFile(filename, (err, data) => {

if (err) {

res.writeHead(404, {'Content-Type': 'text/plain'});

return res.end('404 Not Found');

}

res.writeHead(200, {'Content-Type': 'text/html'});

res.write(data);

res.end();

});

}).listen(3000, () => {

console.log('Server running at http://localhost:3000/'); });

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Q.1) Create angular JS Application that show the current Date and Time of the System (Use Interval Service)

<!DOCTYPE html><html ng-app="app">

<head>

<script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.2/angular.min.js"></script>

</head><body ng-controller="ctrl">

<h2>{{time}}</h2><script>

angular.module('app', [])

.controller('ctrl', function($scope, $interval) {

$scope.time = new Date().toLocaleString();

$interval(() => {

$scope.time = new Date().toLocaleString();

}, 1000); }); </script></body></html>

Q.2) Create a node js file named main.js for event-driven application. There should be a main loop that listens for events, and then triggers a callback function when one of those events is Detected.

const events = require('events');

const eventEmitter = new events.EventEmitter();

function onEventDetected() {

console.log('Event detected and handled!');

}

eventEmitter.on('myEvent', onEventDetected);

setInterval(() => {

eventEmitter.emit('myEvent'); // Emit the event repeatedly

}, 2000);

Q.1) Create a Node.js file that writes an HTML form, with an upload field.

// form.js

const http = require('http');

http.createServer((req, res) => {

res.writeHead(200, {'Content-Type': 'text/html'});

res.write(`

<form action="upload" method="post" enctype="multipart/form-data">

<input type="file" name="file"><br><br>

<input type="submit" value="Upload">

</form>

`);

res.end();

}).listen(3000, () => {

console.log('Server running at http://localhost:3000/');

});