**AIT**

**Practical Based Assessment-2**

**Name:** Isha Hosur

**Class:** FYMCA(A)

**Roll Number:** 2201055

**Q.1.** Write an AngularJS script to print details of bank (bank name, MICR code, IFC code, address etc.) in tabular form using ng-repeat.

**Answer: CODES:**

* **app.component.html:**
* <!DOCTYPE html>
* <html>
* <head>
* <title>Bank Details</title>
* </head>
* <body>
* <app-bank></app-bank>
* </body>
* </html>
* **bank.component.html:**
* <html>
* <head>
* <title>Bank Details</title>
* </head>
* <body>
* <h1 align="center">Bank Details</h1>
* <table border="1" align="center">
* <thead>
* <tr>
* <th>Bank Name</th>
* <th>MICR Code</th>
* <th>IFSC Code</th>
* <th>Address</th>
* </tr>
* </thead>
* <tbody>
* <tr \*ngFor="let bank of banks">
* <td>{{ bank.name }}</td>
* <td>{{ bank.micr }}</td>
* <td>{{ bank.ifsc }}</td>
* <td>{{ bank.address }}</td>
* </tr>
* </tbody>
* </table>
* </body>
* </html>
* **bank.component.ts:**

import { Component } from '@angular/core';

@Component({

  selector: 'app-bank',

  templateUrl: './bank.component.html',

  styleUrls: ['./bank.component.css']

})

export class BankComponent {

  banks: any[] = [

    {name: 'HDFC Bank', micr: '411240009', ifsc: 'HDFC0000149', address: 'Kothrud' },

    {name: 'ICICI Bank', micr: '411229023', ifsc: 'ICIC0000915', address: 'Viman Nagar'},

    {name: 'Axis Bank', micr: '411211039', ifsc: 'UTIB0002652', address: 'Warje' },

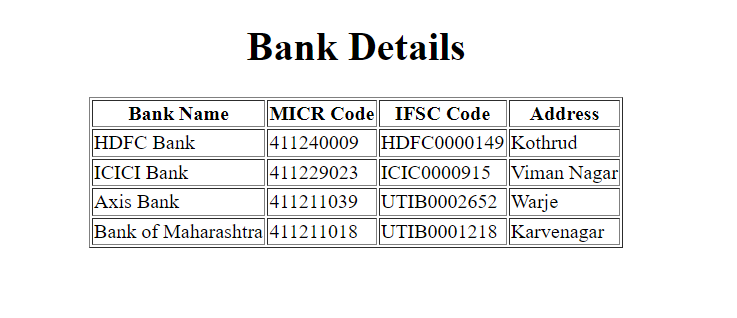
    {name: 'Bank of Maharashtra', micr: '411211018', ifsc: 'UTIB0001218', address: 'Karvenagar' }

    ];

bank: any;

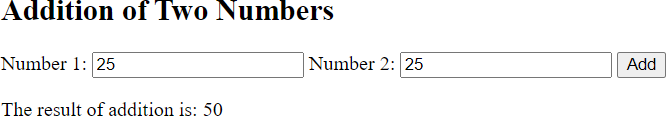
}

* **OUTPUT:**



**Q.2.** Write an AngularJS script for addition of two numbers using ng-init, ng-model & ng-bind. And also Demonstrate ng-show, ng-disabled, ng-click directives on button component.

**Answer: CODES:**

* **app.component.html:**
* <html ng-app="additionApp">
* <head>
* <title>Calculator</title>
* <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.2/angular.min.js"></script>
* </head>
* <body>
* <div ng-controller="CalculatorController">
* <h2>Addition</h2>
* <label for="num1">Number 1:</label>
* <input type="number" id="num1" ng-model="number1" />
* <label for="num2">Number 2:</label>
* <input type="number" id="num2" ng-model="number2" />
* <button ng-click="addNumbers()" ng-disabled="!number1 || !number2">Add</button>
* <div ng-show="showResult">
* <p>
* The result of addition is: <span ng-bind="result"></span>
* </p>
* </div>
* </div>
* <script>
* angular.module('additionApp', [])
* .controller('CalculatorController', ['$scope', function($scope) {
* $scope.showResult = false;
* $scope.addNumbers = function() {
* $scope.result = parseInt($scope.number1) + parseInt($scope.number2);
* $scope.showResult = true;
* };
* }]);
* </script>
* </body>
* </html>
* **OUTPUT:**

**Q.3.** Create a Node.js file that Insert Multiple Records in "student" table, and display the result object on console.

**Answer: CODES:**

const mysql = require('mysql');

const connection = mysql.createConnection({ host: 'localhost',

user: 'root', password: 'lhase123',

database: 'studentsdb'

});

const students = [

{ name: 'Sanjay', age: 25 },

{ name: 'Sumit', age: 22 },

{ name: 'Sanika', age: 19 },

{ name: 'Sandesh', age: 27}

];

connection.query('INSERT INTO student (name, age) VALUES ?', [students.map(student => [student.name, student.age])], (error, result) => { if (error) {

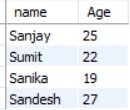
console.error('Error inserting records:', error); connection.end();

return;

}

console.log('Records inserted successfully:', result); connection.end();

});

* **OUTPUT:**

**Q.4.** Create a Node.js application that uses user defined module to find area of rectangle and display details on console.

**Answer: CODES:**

* **rectangle.js:**
* exports.calculateArea = function(length, width)
* {
* return length \* width;
* };
* **app.js:**
* const rectangle = require('./rectangle');
* const length = 5; const width = 10;
* const area = rectangle.calculateArea(length, width);
* console.log(`Rectangle Details:\nLength: ${length}\nWidth: ${width}\nArea: ${area}`);
* **OUTPUT:**

