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Abstract

NODE JS with MYSQL

Advance programming LAB 05

NODE JS

BSCS 7B

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| TASK01 |
| Task Code:  var mysql = require('mysql');    var con = mysql.createConnection({  host: "localhost",  user: "root",  password: "YourRootPassword"  });    Task Output Screenshot: |

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| TASK02 |
| Task Code:  var mysql = require('mysql');    var con = mysql.createConnection({  host: 'localhost',  user: 'root',  password: 'YourRootPassword',  database: 'university'  });    con.connect(function(err){  if(err) throw err;  var sql\_query = 'select \* from class;';  con.query(sql\_query, function(err, result){  if(err) throw err;  console.log(result);  });  });    Task Output Screenshot: |

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| Solution |
| Task Code:  var mysql = require('mysql');    var con = mysql.createConnection({  host: "localhost",  user: "root",  password: "YourRootPassword"  });    con.connect(function(err) {  if (err) throw err;  console.log("Connected!");  con.query("CREATE DATABASE mydb", function (err, result) {  if (err) throw err;  console.log("Database created");  });  });    Task Output Screenshot: |

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| TASK 04 & 05 |
| Task Code:  var mysql = require('mysql');    var con = mysql.createConnection({  host: 'localhost',  user: 'root',  password: 'YourRootPassword',  database: 'mydb'  });    con.connect(function(err) {  if (err) throw err;  console.log("Connected!");  con.query("CREATE table customers (id INT AUTO\_INCREMENT PRIMARY KEY, name VARCHAR(255), address VARCHAR(255));", function (err, result) {  if (err) throw err;  console.log("table created");  });  });    Task Output Screenshot: |

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| TASK 06 |
| Task Code:  var mysql = require('mysql');    var con = mysql.createConnection({  host: "localhost",  user: "root",  password: "YourRootPassword",  database: "mydb"  });    con.connect(function(err) {  if (err) throw err;  console.log("Connected!");  var sql = "INSERT INTO customers (name, address) VALUES ('Akbar', 'Gazali-I, H12')";  con.query(sql, function (err, result) {  if (err) throw err;  console.log("1 record inserted");  });  });    Task Output Screenshot: |

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| TASK 07 |
| Task Code:  var mysql = require('mysql');    var con = mysql.createConnection({  host: "localhost",  user: "root",  password: "YourRootPassword",  database: "mydb"  });    con.connect(function(err) {  if (err) throw err;  console.log("Connected!");  var sql = "INSERT INTO customers (name, address) VALUES ?";  var values = [['Hamza', 'Attar-1 H12'],  ['Asad', 'Attar-2 H12']];  con.query(sql, [values], function (err, result) {  if (err) throw err;  console.log("multiple record inserted");  });  });      Task Output Screenshot: |

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| TASK 08 |
| Task Code:  var mysql = require('mysql');    var con = mysql.createConnection({  host: 'localhost',  user: 'root',  password: 'YourRootPassword',  database: 'mydb'  });    con.connect(function(err){  if(err) throw err;  var sql\_query = 'select \* from customers;';  con.query(sql\_query, function(err, result, field){  if(err) throw err;  console.log(result);  });  });    Task Output Screenshot: |

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| TASK 09 |
| Task Code:  var mysql = require('mysql');    var con = mysql.createConnection({  host: 'localhost',  user: 'root',  password: 'YourRootPassword',  database: 'mydb'  });    con.connect(function(err){  if(err) throw err;  var sql\_query = 'select name, address from customers;';  con.query(sql\_query, function(err, result, field){  if(err) throw err;  console.log(result);  });  });    Task Output Screenshot: |

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| TASK 10 |
| Task Code:  var mysql = require('mysql');    var con = mysql.createConnection({  host: 'localhost',  user: 'root',  password: 'YourRootPassword',  database: 'mydb'  });    con.connect(function(err){  if(err) throw err;  var sql\_query = 'select \* from customers;';  con.query(sql\_query, function(err, result, field){  if(err) throw err;  console.log(field);  });  });    Task Output Screenshot: |

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| TASK 11 |
| Task Code:  var mysql = require('mysql');    var con = mysql.createConnection({  host: 'localhost',  user: 'root',  password: 'YourRootPassword',  database: 'mydb'  });    con.connect(function(err){  if(err) throw err;  var sql\_query = 'select \* from customers where address = "Gazali-I, H12";';  con.query(sql\_query, function(err, result, field){  if(err) throw err;  console.log(result);  });  });    Task Output Screenshot: |

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| TASK 12 |
| **Tried two variations with g% and s%. Since I have input my own field with %s there will no row returned so I used %g to show it works and than %s as the task asked us to do**  Task Code:  var mysql = require('mysql');    var con = mysql.createConnection({  host: 'localhost',  user: 'root',  password: 'YourRootPassword',  database: 'mydb'  });    con.connect(function(err){  if(err) throw err;  var sql\_query = 'select \* from customers where address like "S%";';  con.query(sql\_query, function(err, result, field){  if(err) throw err;  console.log(result);  });  });    Task Output Screenshot: |

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| TASK 13 |
| Task Code:  var mysql = require('mysql');    var con = mysql.createConnection({  host: 'localhost',  user: 'root',  password: 'YourRootPassword',  database: 'mydb'  });    con.connect(function(err){  if(err) throw err;  var sql\_query = 'select \* from customers order by name;';  con.query(sql\_query, function(err, result, field){  if(err) throw err;  console.log(result);  });  });    Task Output Screenshot: |

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| TASK 14 |
| **No field deleted since I have different entries in the database**  Task Code:  var mysql = require('mysql');    var con = mysql.createConnection({  host: 'localhost',  user: 'root',  password: 'YourRootPassword',  database: 'mydb'  });    con.connect(function(err){  if(err) throw err;  var sql\_query = 'delete from customers where address like "Mountain 21";';  con.query(sql\_query, function(err, result){  if(err) throw err;  console.log(result);  });  });    Task Output Screenshot: |

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| TASK 15 |
| Task Code:  var mysql = require('mysql');    var con = mysql.createConnection({  host: 'localhost',  user: 'root',  password: 'YourRootPassword',  database: 'mydb'  });    con.connect(function(err){  if(err) throw err;  var sql\_query = 'drop table customers';  con.query(sql\_query, function(err, result){  if(err) throw err;  console.log(result);  });  });    Task Output Screenshot: |

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| TASK 16 |
| Task Code:  var mysql = require('mysql');    var con = mysql.createConnection({  host: 'localhost',  user: 'root',  password: 'YourRootPassword',  database: 'mydb'  });    con.connect(function(err){  if(err) throw err;  var sql\_query = 'update customers set address = "Gazali-II, H12" where address like "Gazali-I, H12";';  con.query(sql\_query, function(err, result){  if(err) throw err;  console.log(result);  });  });    Task Output Screenshot: |

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| TASK 17 |
| Task Code:  var mysql = require('mysql');    var con = mysql.createConnection({  host: 'localhost',  user: 'root',  password: 'YourRootPassword',  database: 'mydb'  });    con.connect(function(err){  if(err) throw err;  var sql\_query = 'select \* from customers limit 3 offset 2;';  con.query(sql\_query, function(err, result){  if(err) throw err;  console.log(result);  });  });    Task Output Screenshot: |

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| TASK 18 |
| Task Code:  var mysql = require('mysql');    var con = mysql.createConnection({  host: 'localhost',  user: 'root',  password: 'YourRootPassword',  database: 'university'  });    con.connect(function(err){  if(err) throw err;  var sql\_query = 'select \* from class as c join enrolled as e on (c.cname = e.cname)';;  con.query(sql\_query, function(err, result){  if(err) throw err;  console.log(result);  });  });    Task Output Screenshot: |