Zoha Ahmed

213901

Lab5

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| Solution |
| Task Code1:  var mysql = require('mysql');  var con = mysql.createConnection({  host: "localhost",  user: "root",  password: "seecs@123"  });  con.connect(function(err) {  if (err) throw err;  console.log("Connected!");  });  Task Output Screenshot:    Task Code2, 3:  var mysql = require('mysql');  var con = mysql.createConnection({  host: "localhost",  user: "root",  password: "password"  });  let sql="create database zoha";   con.query(sql, function (err, result) {      if (err) throw err;    console.log("database created" );    });  Task Output Screenshot:    Task Code4:  var mysql = require('mysql');  var con = mysql.createConnection({  host: "localhost",  user: "root",  password: "password",  database: "zoha"  });  let sql="create table customers (name VARCHAR(255), address VARCHAR(255))";   con.query(sql, function (err, result) {      if (err) throw err;    console.log("customers table created" );    });  Task Output Screenshot:    Task Code5:  var mysql = require('mysql');  var con = mysql.createConnection({  host: "localhost",  user: "root",  password: "password",  database: "zoha"  });  let sql="alter table customers add primary key (name)";   con.query(sql, function (err, result) {      if (err) throw err;    console.log("primary key added" );    });  Task Output Screenshot:    Task Code6:  var mysql = require('mysql');  var con = mysql.createConnection({  host: "localhost",  user: "root",  password: "password",  database: "zoha"  });  let sql= "INSERT INTO customers (name, address) VALUES ('Company Inc', 'Highway 37')";   con.query(sql, function (err, result) {      if (err) throw err;    console.log("data added" );    });  Task Output Screenshot:    Task Code7:  var mysql = require('mysql');  var con = mysql.createConnection({  host: "localhost",  user: "root",  password: "password",  database: "zoha"  });  let sql= "INSERT INTO customers (name, address) VALUES ?";  let values = [  ['John', 'Highway 71'],  ['Peter', 'Lowstreet 4'],  ['Amy', 'Apple st 652'],  ['Hannah', 'Mountain 21'],  ['Michael', 'Valley 345'],  ['Sandy', 'Ocean blvd 2'],  ['Betty', 'Green Grass 1'],  ['Richard', 'Sky st 331'],  ['Susan', 'One way 98'],  ['Vicky', 'Yellow Garden 2'],  ['Ben', 'Park Lane 38'],  ['William', 'Central st 954'],  ['Chuck', 'Main Road 989'],  ['Viola', 'Sideway 1633']  ];   con.query(sql, [values], function (err, result) {      if (err) throw err;    console.log("Number of records inserted: " + result.affectedRows );    });  Task Output Screenshot:    Task Code8:  var mysql = require('mysql');  var con = mysql.createConnection({  host: "localhost",  user: "root",  password: "password",  database: "zoha"  });  let sql= "select \* from customers";   con.query(sql, function (err, result, fields) {      if (err) throw err;    console.log(result);    });  Task Output Screenshot:    Task Code9:  var mysql = require('mysql');  var con = mysql.createConnection({  host: "localhost",  user: "root",  password: "password",  database: "zoha"  });  let sql= "select name, address from customers";   con.query(sql, function (err, result, fields) {      if (err) throw err;    console.log(result);    });  Task Output Screenshot:    Task Code10:  var mysql = require('mysql');  var con = mysql.createConnection({  host: "localhost",  user: "root",  password: "password",  database: "zoha"  });  let sql= "select name, address from customers";   con.query(sql, function (err, result, fields) {      if (err) throw err;    console.log(fields);    });  Task Output Screenshot:    Task Code11:  var mysql = require('mysql');  var con = mysql.createConnection({  host: "localhost",  user: "root",  password: "password",  database: "zoha"  });  let sql= "select name, address from customers where address='Park Lane 38'";   con.query(sql, function (err, result, fields) {      if (err) throw err;    console.log(result);    });  Task Output Screenshot:    Task Code12:  var mysql = require('mysql');  var con = mysql.createConnection({  host: "localhost",  user: "root",  password: "password",  database: "zoha"  });  let sql= "select name, address from customers where address like 'S%'";   con.query(sql, function (err, result, fields) {      if (err) throw err;    console.log(result);    });  Task Output Screenshot:    Task Code13:  var mysql = require('mysql');  var con = mysql.createConnection({  host: "localhost",  user: "root",  password: "password",  database: "zoha"  });  let sql= "select name, address from customers order by name";   con.query(sql, function (err, result, fields) {      if (err) throw err;    console.log(result);    });  Task Output Screenshot:    Task Code14:  var mysql = require('mysql');  var con = mysql.createConnection({  host: "localhost",  user: "root",  password: "password",  database: "zoha"  });  let sql= "DELETE FROM customers WHERE address = 'Mountain 21'";   con.query(sql, function (err, result, fields) {      if (err) throw err;    console.log("Number of records deleted: " + result.affectedRows);    });  Task Output Screenshot:    Task Code15:  var mysql = require('mysql');  var con = mysql.createConnection({  host: "localhost",  user: "root",  password: "password",  database: "zoha"  });  let sql= "DROP TABLE customers";   con.query(sql, function (err, result) {      if (err) throw err;    console.log("TABLE deleted");    });  Task Output Screenshot:    Task Code16:  let sql= "UPDATE customers SET address = 'Canyon 123' WHERE address = 'Valley 345'";   con.query(sql,  function (err, result) {      if (err) throw err;    console.log("Address Updated");    });  Task Output Screenshot:    Task Code17:  let sql= "SELECT \* FROM customers LIMIT 5";  Second part  let sql= "SELECT \* FROM customers LIMIT 5 OFFSET 2";  con.query(sql,  function (err, result) {      if (err) throw err;    console.log("Limit set to 5 starting from 3!");    });  Task Output Screenshot:      Task Code18:  let sql= "SELECT customers.name AS customer, user.name AS favorite FROM user JOIN customer ON user.address = user.id";   con.query(sql,  function (err, result) {      if (err) throw err;    console.log(result);    });  Task Output Screenshot: |