Web Technologies Module 4 Assignment 3

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1. Aim:

Write a program to get data from a web page and insert into a database.

Theory:

To install and configure XAMPP Control Panel, MySQL, create webpage and learn to install and use new modules like mysql and querystring

Code:

```
var http = require('http');
var fs = require('fs');
var qs = require('querystring');
var mysql = require('mysql');
var con = mysql.createConnection({
   host: "localhost",
   port: "3306",
   password: "",
   database: "college"
});
var server = http.createServer((req, res) => {
   var body = "";
        res.writeHead(200, { 'Content-Type': 'text/html' })
        fs.createReadStream("register.html").pipe(res);
   else if (req.method == 'POST') {
        var formdata = "";
        req.on("data", (chunk) => {
            formdata += chunk;
            var data = qs.parse(formdata);
            body = "\n Name: " + data.sname + "\n Phone no: " + data.scontact + "\n
Address: " + data.saddress;
           con.connect((err) => {
                if (err) throw err;
                var sql = "Insert into student(Name, Contact, Address) values('" +
data.sname + "','" + data.scontact + "','" + data.saddress + "')";
                con.query(sql, (error, result) => {
                    if (error) throw error;
                    console.log(result);
                });
           });
        });
   req.on("end", () => {
```

```
res.writeHead(200, { 'Content-Type': 'text/html' });
res.end(body);
})
});
server.listen(5000);
```

Output:

```
PS F:\D\MCA\Assignments & Backup Files\WT\Module 4> node .\insert_data.js
OkPacket {
  fieldCount: 0,
    affectedRows: 1,
    insertId: 1,
    serverStatus: 2,
    warningCount: 0,
    message: '',
    protocol41: true,
    changedRows: 0
}
```

2. Aim:

Write a program to insert multiple students and also update and delete them wrt name

Theory: To modify data in mySQL using nodejs

Code:

```
var mysql = require('mysql');

var con = mysql.createConnection({
    host: "localhost",
    user: "root",
    password: "",
    database: "college"
});

function insert_multiple_data(){
    con.connect((err)=>{
        var data_items =
    [["sandhya","123456789","Thane"],["Souleh",'9876543231',"Mumbai"]];
    var sql = "Insert into student(Name,Contact,Address) values ?";
    con.query(sql,[data_items],(error,result)=>{
        if(error) throw error;
        console.log(result);
        });
    });
}
```

```
insert_multiple_data();

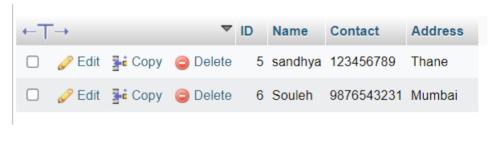
function update_data(contact,Address) {
    var sql_update = "Update student set contact='"+contact+"',address='"+Address+"'
    where name='sandhya'";
    con.query(sql_update,(result,err)=>{
        if(err) throw err;
        console.log("Data Updated"+ result);
    });
}

update_data("654654654","abc");

function delete_data(name) {
    var del_sql="Delete from student where name='"+name+"'";
    con.query(del_sql,(result,err)=>{
        if(err) throw err;
        console.log("Data Deleted"+ result);
    });
}

delete_data("Souleh");
```

Output:







3. Aim:

Write a program to display data of students

a. Create a file to fetch data and render html content

b. Create ejs file to display data

Theory:

To use ejs to view data from SQL Database

Code:

```
var mysql = require('mysql');
var ejs = require('ejs');
var express = require('express');
var app = express();
app.set("view engine","ejs");
var con = mysql.createConnection({
    host: "localhost",
    password:"",
    database: "college"
});
app.get("/data",(req,res)=>{
    con.connect((err)=>{
        var get_sql="select * from student";
        con.query(get_sql,(error,data,fields)=>{
            res.render("./../student-list",{title:"Students Data",studentdata:data});
   });
});
app.listen(3333);
```

EJS File:

Output:

| Name | Phone No |
|---------|-----------|
| sandhya | 654654654 |
| asdas | 6566565 |