

# 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",
  user: "root",
  password: "",
  database: "college"
});

var server = http.createServer((req, res) => {
  var body = "";
  if (req.method == 'GET') {
    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\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:

				ID	Name	Contact	Address
<input type="checkbox"/>		Edit		Copy		Delete	
	5	sandhya	123456789	Thane			
<input type="checkbox"/>		Edit		Copy		Delete	
	6	Souleh	9876543231	Mumbai			

				ID	Name	Contact	Address
<input type="checkbox"/>		Edit		Copy		Delete	
	5	sandhya	654654654	abc			
<input type="checkbox"/>		Edit		Copy		Delete	
	6	Souleh	9876543231	Mumbai			

				ID	Name	Contact	Address
<input type="checkbox"/>		Edit		Copy		Delete	
	5	sandhya	654654654	abc			

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",
  user: "root",
  password: "",
  database: "college"
});

app.get("/data", (req, res) => {
  con.connect((err) => {
    if (err) throw err;
    var get_sql = "select * from student";
    con.query(get_sql, (error, data, fields) => {
      if (error) throw error;
      res.render("../student-list", {title: "Students Data", studentdata: data});
    });
  });
});

app.listen(3333);
```

EJS File:

```
<html>
  <head>
    <body>
      <table border="4">
        <tr>
          <th>Name</th>
          <th>Phone No</th>
          <!-- <th>Address</th> -->
        </tr>
        <% if(studentdata.length!=0) {
          studentdata.forEach(function(data){
            %>
            <tr>
              <td><%=data.Name %></td>
              <td><%=data.Contact %></td>
              <!-- <td><%=data.Address %></td> -->
            </tr>
            <%
          })
        } else {
          %>
          <tr><td>No Records Found</td></tr>
          <%
        }
      %>
    </table>
  </body>
</head>
</html>
```

Output:

---

Name	Phone No
sandhya	654654654
asdas	6566565