

Practical No. 11

Title: Design web application with the help of node js, express, body parser, express-session and mysql

Aim: To Design web application with the help of node js, express, body parser, express-session and mysql

Step 1: Open XAMPP



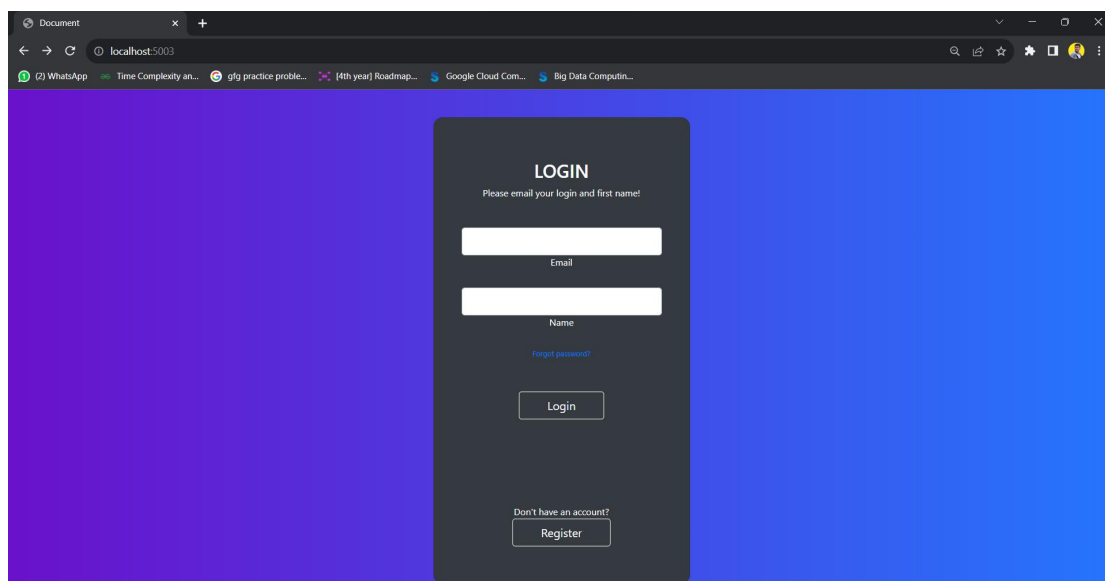
Step 2: Run MySQL in it



Step 3: Create contactform.sql database, run cmd > node index.js file

```
PS G:\MCA-Web-main\MCA-WEB-MAIN\Create> node index.js
Server is running
Connected!
█
```

Step 4: Create login.html



Step 4: Create Registration Page

Registration Form

Onkar Malawade
First Name Last Name

2000-9-1
Birthday

omshree@gmail.com 7020767185
Email Phone Number

Submit Logout Have an account? Sign In

Step 5: Create Database with Structure

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	fname	varchar(23)	utf8mb4_general_ci		No	None			Change Drop More
2	lname	varchar(23)	utf8mb4_general_ci		No	None			Change Drop More
3	email	varchar(80)	utf8mb4_general_ci		No	None			Change Drop More
4	tel	varchar(10)	utf8mb4_general_ci		No	None			Change Drop More
5	dob	date			Yes	NULL			Change Drop More

Step 6: Insert Value in the Table Because we will do code that says if you have the account you will add another person to it.

fname	lname	email	tel	dob
Onkar	Malawade	omshree@gmail.com	2147483647	0000-00-00
Onkar	Malawade	onkarmalawade@gmail.com	7020767185	2000-09-01

Index.js:

```
var express = require('express');
var mysql = require('mysql');
var db=require('./database');
var session = require('express-session');//session
var flash = require ('express-flash');//flash

var app = express();

var bodyParser = require('body-parser');
//const { stringify } = require('querystring');
app.use(bodyParser.json());
app.use(bodyParser.urlencoded({ extended: true }));
app.use(flash());
app.use(session( {
  secret: '123456cart',
  resave: false,
  saveUninitialized: true,
  cookie:{ maxAge: 60000}
})))

app.get('/', function(req, res){
  res.sendFile(__dirname+'/login.html');
});

app.post('/auth',function(req,res){
  let email = req.body.email;
  let fname = req.body.fname;
  if(email && fname){
    db.query('Select * from infoTB where fname = ? and email = ?', [fname,email],function(error,results){
      if(error) throw error;
      if(results.length > 0){
        req.session.loggedin = true;
        req.session.fname=fname;
        res.redirect('/register');
      }else{
        res.send('Incorrect UserEmail or Username');
      }
      res.end();
    });
  }else{
    res.send('Please enter UserEmail and Password');
    res.end();
  }
});

app.get('/register',function(req,res){
  if (req.session.loggedin) {
    res.sendFile(__dirname+'/new.html');
  } else {
    res.send('Please Login to view the Page');
  }
});
```

```

app.post('/formSubmit', function(req, res){
  if(req.session.loggedin){
    //res.send(JSON.stringify("Hello "+req.body.name+" "+req.body.surname));
    var f_name = req.body.fname;
    var l_name = req.body.lname;
    var email = req.body.email;
    var tel = req.body.tel;
    var dob = req.body.dob;

    var sql = `INSERT
    INTO infoTB(fname,lname,email,tel,dob)VALUES("${f_name}","${l_name}","${e
    mail}","${tel}","${dob}")`;
    db.query(sql,function(err,result){
      if (err) throw err;
      console.log("record inserted");
      req.flash('success','Data added succefully');

    });
    }else{
      res.send('Please send login view');
    }
    res.redirect('/register');
    res.end();
  });
app.post('/logout',function(req,res){
  req.session.destroy((err) =>{
    res.redirect('/');
  })
});
app.post('/reg',function(req,res){
  req.session.destroy((err) =>{
    res.redirect('/register');
  })
});
app.post('/loged',function(req,res){
  req.session.destroy((err) =>{
    res.redirect('/');
  })
});
app.listen(5003,()=>{
  console.log("Server is running")
});

```

Database.js

```

var mysql = require('mysql');

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

con.connect(function(err) {
  if (err) throw err;

```

```
    console.log("Connected!");
  });
  module.exports=con;
```

Login.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/css/bootstrap.min.css"
integrity="sha384-
Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6J
Xm" crossorigin="anonymous">
  <script src="https://code.jquery.com/jquery-3.2.1.slim.min.js" integrity="sha384-
KJ3o2DKtIkVYIK3UENzmM7KChRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG
5KkN" crossorigin="anonymous"></script>
  <script src="https://cdn.jsdelivr.net/npm/popper.js@1.12.9/dist/umd/popper.min.js"
integrity="sha384-
ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q
" crossorigin="anonymous"></script>
  <script src="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/js/bootstrap.min.js"
integrity="sha384-
JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYl
" crossorigin="anonymous"></script>
<style>
  .gradient-custom {
/* fallback for old browsers */
background: #6a11cb;

/* Chrome 10-25, Safari 5.1-6 */
background: -webkit-linear-gradient(to right, rgba(106, 17, 203, 1), rgba(37, 117, 252,
1));

/* W3C, IE 10+/ Edge, Firefox 16+, Chrome 26+, Opera 12+, Safari 7+ */
background: linear-gradient(to right, rgba(106, 17, 203, 1), rgba(37, 117, 252, 1))
}
</style>
<title>Document</title>
</head>
<body>
  <section class="vh-100 gradient-custom">
    <div class="container py-5 h-100">
      <div class="row d-flex justify-content-center align-items-center h-100">
        <div class="col-12 col-md-8 col-lg-6 col-xl-5">
          <div class="card bg-dark text-white" style="border-radius: 1rem;">
            <div class="card-body p-5 text-center">

              <div class="mb-md-5 mt-md-4 pb-5">

                <h2 class="fw-bold mb-2 text-uppercase">Login</h2>
                <p class="text-white-50 mb-5">Please email your login and first
name!</p>
                <form action="/auth" method="post">
```

```

        <div class="form-outline form-white mb-4">
          <input type="email" name="email" id="typeEmailX" class="form-
control form-control-lg" />
          <label class="form-label" for="typeEmailX">Email</label>
        </div>

        <div class="form-outline form-white mb-4">
          <input type="text" name="fname" id="typePasswordX" class="form-
control form-control-lg" />
          <label class="form-label" for="typePasswordX">Name</label>
        </div>

        <p class="small mb-5 pb-lg-2"><a class="text-white-50"
href="#!">Forgot password?</a></p>

        <button class="btn btn-outline-light btn-lg px-5"
type="submit">Login</button>
      </form>

      <div class="d-flex justify-content-center text-center mt-4 pt-1">
        <a href="#!" class="text-white"><i class="fab fa-facebook-f fa-
lg"></i></a>
        <a href="#!" class="text-white"><i class="fab fa-twitter fa-lg mx-4 px-
2"></i></a>
        <a href="#!" class="text-white"><i class="fab fa-google fa-
lg"></i></a>
      </div>

    </div>

    <div>
      <p class="mb-0">Don't have an account? <form action="/reg"
method="post"><button class="btn btn-outline-light btn-lg px-5"
type="submit">Register</button></form>
    </p>
    </div>

  </div>
</div>
</div>
</div>
</div>
</div>
</section>

</body>
</html>

```

New.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <style>
    .gradient-custom {
      /* fallback for old browsers */
      background: #f093fb;
```

```

/* Chrome 10-25, Safari 5.1-6 */
background: -webkit-linear-gradient(to bottom right, rgba(240, 147, 251, 1), rgba(245, 87, 108, 1));

/* W3C, IE 10+/ Edge, Firefox 16+, Chrome 26+, Opera 12+, Safari 7+ */
background: linear-gradient(to bottom right, rgba(240, 147, 251, 1), rgba(245, 87, 108, 1))
}

.card-registration .select-input.form-control[readonly]:not([disabled]) {
font-size: 1rem;
line-height: 2.15;
padding-left: .75em;
padding-right: .75em;
}
.card-registration .select-arrow {
top: 13px;
}
</style>
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/css/bootstrap.min.css"
integrity="sha384-
Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6J
Xm" crossorigin="anonymous">
<script src="https://code.jquery.com/jquery-3.2.1.slim.min.js" integrity="sha384-
KJ3o2DKtIkVYIK3UENzmM7KCKRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG
5KkN" crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.12.9/dist/umd/popper.min.js"
integrity="sha384-
ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q
" crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/js/bootstrap.min.js"
integrity="sha384-
JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYl
" crossorigin="anonymous"></script>
<title>Document</title>
</head>
<body>

<section class="vh-100 gradient-custom">
<div class="container py-5 h-100">
<div class="row justify-content-center align-items-center h-100">
<div class="col-12 col-lg-9 col-xl-7">
<div class="card shadow-2-strong card-registration" style="border-radius:
15px;">
<div class="card-body p-4 p-md-5">
<h3 class="mb-4 pb-2 pb-md-0 mb-md-5">Registration Form</h3>
<form action="/formSubmit" method="post">

<div class="row">
<div class="col-md-6 mb-4">

<div class="form-outline">

```

```

        <input type="text" id="firstName" name="fname" class="form-
control form-control-lg" />
        <label class="form-label" for="firstName">First Name</label>
    </div>

</div>
<div class="col-md-6 mb-4">

    <div class="form-outline">
        <input type="text" id="lastName" name="lname" class="form-
control form-control-lg" />
        <label class="form-label" for="lastName">Last Name</label>
    </div>

</div>
</div>

<div class="row">
    <div class="col-md-6 mb-4 d-flex align-items-center">

        <div class="form-outline datepicker w-100">
            <input type="text" name="dob" class="form-control form-control-lg"
id="birthdayDate" />
            <label for="birthdayDate" class="form-label">Birthday</label>
        </div>

</div>
<div class="col-md-6 mb-4">

</div>

<div class="row">
    <div class="col-md-6 mb-4 pb-2">

        <div class="form-outline">
            <input type="email" name="email" id="emailAddress" class="form-
control form-control-lg" />
            <label class="form-label" for="emailAddress">Email</label>
        </div>

</div>
<div class="col-md-6 mb-4 pb-2">

        <div class="form-outline">
            <input type="tel" name="tel" id="phoneNumber" class="form-
control form-control-lg" />
            <label class="form-label" for="phoneNumber">Phone
Number</label>
        </div>

</div>
</div>

<div class="mt-4 pt-2">

```