**AIM:**

**Task1: Using Handlebar, create HTML page that contains following information**

1. Subject-Code, Subject-Name (Text-box)
2. Institute-Name (Text-box)
3. Department-Name (Text-box)
4. Semester=>Dropdown menu

**Task2: Store above information into MySQL database and display**

**CODE:**

**App.js**

const  express  =  require('express');

const  exphbs  =  require('express-handlebars');

const  mysql=require('mysql')

const  app  =  express();

// const staticPath = path.join(\_\_dirname,"/views")

// app.set("views",staticPath)

app.engine('hbs',exphbs({

    defaultLayout  :  'dashboard',  //main  handlebar  should  be  displayed  when  first  my website  will  be  loaded

    extname:  '.hbs',   //we  can  change  extension  using  extname  flags..so  here we'll  write  .hbs  extension  which  we  r  going  to  use

}));

app.set('view  engine','hbs');

const  connection  =  mysql.createConnection({

    host:  'localhost',

    user:'root',

    password:'',

    database:'StudentDetails'

});

connection.connect((err)=>{ if(err)  throw  err;

    console.log("Connected  successfully  to  MySql  server")

    });

    //db-create => create Database

    app.get("/db-create",  (req,res)=>{

    const  dbquery="CREATE  DATABASE  IF  NOT  EXISTS  StudentDetails";

    connection.query(dbquery,(err,result)=>{ if(err)  throw  err;

    console.log("StudentDetails  Database  created  successfully",result)

    })

});

connection.connect((err)=>{

    if(err)  {

       console.log(err)

    }

    console.log("Connected  successfully  to  MySql  server")

    });

    //db-create => create Database

    app.get("/db-create",  (req,res)=>{

    const  dbquery="CREATE  DATABASE  IF  NOT  EXISTS  StudentDetails";

    connection.query(dbquery,(err,result)=>{ if(err)  throw  err;

    console.log("StudentDetails  Database  created  successfully",result)

    })

});

app.use(express.static("public"));

app.use(express.urlencoded({extended:false}));

app.get('/form',  function(req,  res,  next)  {

});

app.post('/form',  function(req,  res,next)  {

    res.redirect("show-data");

});

app.post('/show-data',  function(req,  res,next)  {

    var  sname  =  req.body.sname;

    var  iname  =  req.body.iname;

    var  dname  =  req.body.dname;

    var  sem  =  req.body.sem;

    const  dbInsert=`INSERT  INTO  studentInfo(SubCode,SubName,InsName,DepName,Sem) VALUES

    ("${code}","${sname}","${iname}","${dname}","${sem}")`;

    connection.query(dbInsert,(err,result)=>{

        if(err)  throw  err; console.log(result)

})

res.send("Data  successfully  inserted!");

});

app.get("/db-display",  (req,res)=>{

    const  dbdisplay=`SELECT  \*  FROM  studentInfo`

    connection.query(dbdisplay,(err,rows)=>{

    if(err)  throw  err; console.log('Data  received');

    console.log(rows);

    for  (let  index  =  0;  index  <  rows.length;  index++)  {

        let  id  =  rows[index].SubjectCode;

        let  sname  =  rows[index].SubjectName;

        let  iname  =  rows[index].InstituteName;

        let  dname  =  rows[index].DepartmentName;

        let  semester  =  rows[index].Semester;

        console.log(`

        Code id : ${id}  \nStudent name : ${sname} \nInstitute name: ${iname}\nDepartment name:  ${dname}  \nSemester:  ${semester}  \n  `);

        }

    })

});

app.listen(5000,()=>{

    console.log('Listening  on  port  5000');

});

**Home.hbs**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

</head>

<body>

    <h1>form</h1>

    <form method="POST" action="/show-data">

        <label>Subject code :</label>

        <input type="text" name="id"/><br/><br/>

        <label>Subject Name :</label>

        <input type="text" name="sname"/><br/><br/>

        <label>Institute Name :</label>

        <input type="text" name="iname"/><br/><br/>

        <label>Department Name :</label>

        <input type="text" name="dname"/><br/><br/>

        <label>Semester :</label>

        <select name="cars" id="cars">

            <option value="1" name="sem">1</option>

            <option value="2" name="sem">2</option>

            <option value="3" name="sem">3</option>

            <option value="4" name="sem">4</option>

<option value="5" name="sem">5</option>

        </select><br/><br/>

        <button type="submit" >Submit</button>

    </form>

</body>

</html>

**OUTPUT:**



