

# VIT<sup>®</sup>

**Vellore Institute of Technology**  
(Deemed to be University under section 3 of UGC Act, 1956)

## Lab CAT 2

**B.Tech in Computer Science and Engineering (CSE), Winter Semester 2020-21**

<b>Name:</b>	Swaranjana Nayak
<b>Registration Number:</b>	19BCE0977
<b>Slot:</b>	L43+L44
<b>Date:</b>	21/05/2021

# CSE1007 Java Programming (Lab) Winter 2020-21 (L43+L44) [VL2020210504170]

[Dashboard](#) / [My courses](#) / [SCOPE](#) / [CSE1007\\_VL2020210504170](#) / [General](#) / [Challenging Task-II](#)

**Question 1**

Not yet answered

Marked out of 1.00

Flag question

Time left 0:43:01

Create a HTML form to accept coursecode and course title. The form should call a Java servlets to check whether the course code begins with 'CSE' and display the course details if matches else display an invalid message.

↓
A ▾
B
I
☰
☷
🔗
🔗

Quiz navigation

NAYAK SWARANJANA SUBODHAKUMAR  
19BCE0977

1

[Finish attempt ...](#)

## Source code:

### index.html

```
<!DOCTYPE html>
<html>
  <head>
    <title>Start Page</title>
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
  </head>
  <body>
    <form action="CourseServlet" method="get">
      Course Code: <input type="text" name="coursecode">
      <br>
      Course Title: <input type="text" name="coursename">
      <br>
      <input type="submit" value="Submit">
    </form>
  </body>
</html>
```

### CourseServlet.java

```
/*
 * To change this license header, choose License Headers in Project
Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */

import java.io.IOException;
import java.io.PrintWriter;
import java.util.HashMap;
```

```

import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

/**
 *
 * @author sn
 */
@WebServlet(urlPatterns = {"/CourseServlet"})
public class CourseServlet extends HttpServlet {

    /**
     * Processes requests for both HTTP GET and
     POST
     * methods.
     *
     * @param request servlet request
     * @param response servlet response
     * @throws ServletException if a servlet-specific error occurs
     * @throws IOException if an I/O error occurs
     */
    protected void processRequest(HttpServletRequest request,
HttpServletResponse response)
        throws ServletException, IOException {
        response.setContentType("text/html;charset=UTF-8");
        try ( PrintWriter out = response.getWriter()) {

            String cc = request.getParameter("coursecode");
            String cn = request.getParameter("coursename");

            /* TODO output your page here. You may use following sample code.
 */
            out.println("<!DOCTYPE html>");
            out.println("<html>");
            out.println("<head>");
            out.println("<title>Servlet CourseServlet</title>");
            out.println("</head>");
            out.println("<body>");

            if(cc.startsWith("CSE")){

                HashMap <String, String> courses = new HashMap<String,
String>();
                courses.put("CSE1003", "Digital Logic and Design, 4 credits,
Theory + Lab");
                courses.put("CSE1004", "Network and Communication, 4 credits,
Theory + Lab");
                courses.put("CSE1007", "Java Programming, 4 credits, Theory +
Lab");

```

```

        courses.put("CSE2003", "Data Structures and Algorithms, 4
credits, Theory + Lab + Project");
        courses.put("CSE2004", "Database Management System, 4
credits, Theory + Lab + Project");
        courses.put("CSE2005", "Operating Systems, 4 credits, Theory
+ Lab + Project");
        courses.put("CSE3001", "Software Engineering, 4 credits,
Theory + Lab + Project");
        courses.put("CSE3002", "Internet and Web Programming, 4
credits, Theory + Lab + Project");

        out.println("<h1>Course Code: " + cc + "</h1>");
        out.println("<h1>Course Description: " + courses.get(cc) +
"</h1>");

        }else{
            out.println("<h1>Invalid Message</h1>");
        }

        out.println("</body>");
        out.println("</html>");
    }
}

// <editor-fold defaultstate="collapsed" desc="HttpServlet methods. Click
on the + sign on the left to edit the code.">
/**
 * Handles the HTTP <code>GET</code> method.
 *
 * @param request servlet request
 * @param response servlet response
 * @throws ServletException if a servlet-specific error occurs
 * @throws IOException if an I/O error occurs
 */
@Override
protected void doGet(HttpServletRequest request, HttpServletResponse
response)
    throws ServletException, IOException {
    processRequest(request, response);
}

/**
 * Handles the HTTP <code>POST</code> method.
 *
 * @param request servlet request
 * @param response servlet response
 * @throws ServletException if a servlet-specific error occurs
 * @throws IOException if an I/O error occurs
 */
@Override
protected void doPost(HttpServletRequest request, HttpServletResponse

```

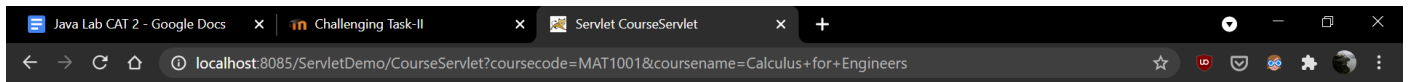
```
response)
    throws ServletException, IOException {
    processRequest(request, response);
}

/**
 * Returns a short description of the servlet.
 *
 * @return a String containing servlet description
 */
@Override
public String getServletInfo() {
    return "Short description";
} // </editor-fold>

}
```

## Output:





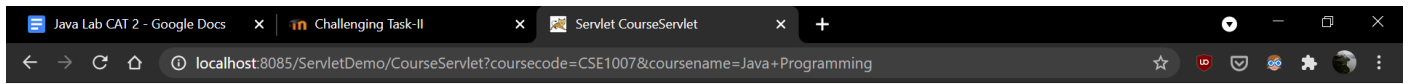
## Invalid Message



Course Code:

Course Title:





**Course Code: CSE1007**

**Course Description: Java Programming, 4 credits, Theory + Lab**

