

3. Write programs in Java to create three-tier applications using JSP and Databases

1. for conducting on-line examination.
2. for displaying student mark list. Assume that student information is available in database which has been stored in a database server.

I. Procedure for creating design of client and server program

1. Design the HTML page (Exam_Client.html) with the following
 - i) Create a form to get the input from the user.
 - ii) Use radio buttons to make various options for the questions.
 - iii) Set the URL of the server (Exam_Server.jsp) as the value of the action attribute.
 - iv) Use submit button to invoke the server and send the form data to the server.
2. Create the JSP file with the following
 - i) Read the input from the client.
 - ii) Retrieve the answers from the database.
 - iii) Match the answers from the user with the correct answers from the database table.
 - iv) For each correct answer increment the mark by 1.
 - v) Server displays the mark and result to the client as a response.

II. Form Design

Step 1: Create a database in MS-Access or MySQL. For instance, you have to create a student database (min 15 students) in MS-Access or MySQL. Inside this database create a table with following fields.

S.No	Roll Number	Name of Student	Marks

Step 2: Write a JSP document as following form format with style CSS format to conduct online exam and Validation (The form validation is also done in above JSP script)

Online Examination

Roll Number Name

Subject code : subject Name

Time: Date: Total Marks :25 marks

Physics (Practical Test) ②
Time Left : 29:59 mins

Question No. 6

Answer the following questions by clicking on the correct option from the given choices. (1 mark)

1. The SI unit of force is

2. The SI unit of mass is

3. The SI unit of length is

4. The SI unit of time is

Grading Palette

Accepted (1 mark) Not Accepted (0 mark)

Accepted & Marked for Review (0.5 mark) Not Marked for Review (0 mark)

Resubmit (1 mark) Resubmit (0.5 mark)

1 2 3 4

5 6 7 8

9 10 11 12

13 14 15 16

17 18 19 20

21 22 23 24

25

Previous
Next
Mark for Review & Note
Close Response
Bookmark
Font size: 12
Finish Test

Step3: After inputting the data appropriately, Click the finish button. And a Mark sheet will be displayed with style CSS format as follows and also update the table in database.

Roll number	
Name of Student	
Marks	