

## Course Registration App

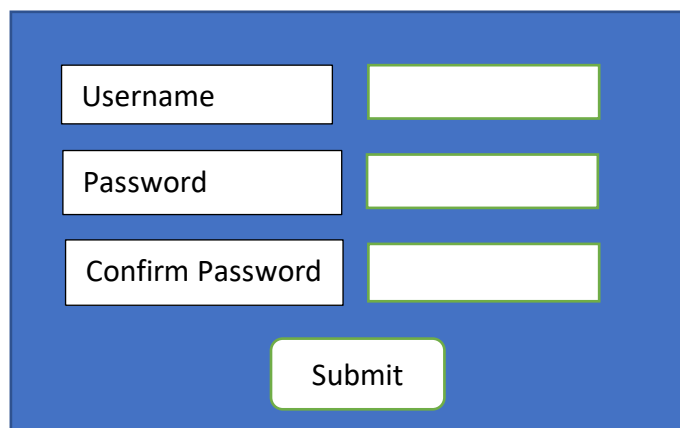
1. Create a Login HTML file as given below



A diagram of a login form with a blue background. It contains two input fields: 'Username' and 'Password'. Below these fields are two buttons: 'Sign In' and 'Sign Up'.

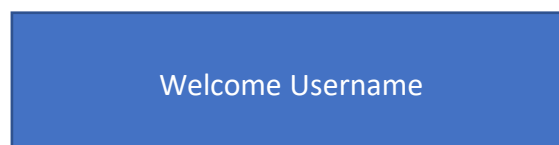
- i. Sign Up Procedure

- a. Write a java program to invoke servlets from the Sign Up HTML file as below



A diagram of a sign-up form with a blue background. It contains three input fields: 'Username', 'Password', and 'Confirm Password'. Below these fields is a single button labeled 'Submit'.

- b. At the click of Submit button, the below dialog box should be displayed and data should be stored in the database.



A diagram of a welcome dialog box with a blue background. It contains a single line of text: 'Welcome Username'.

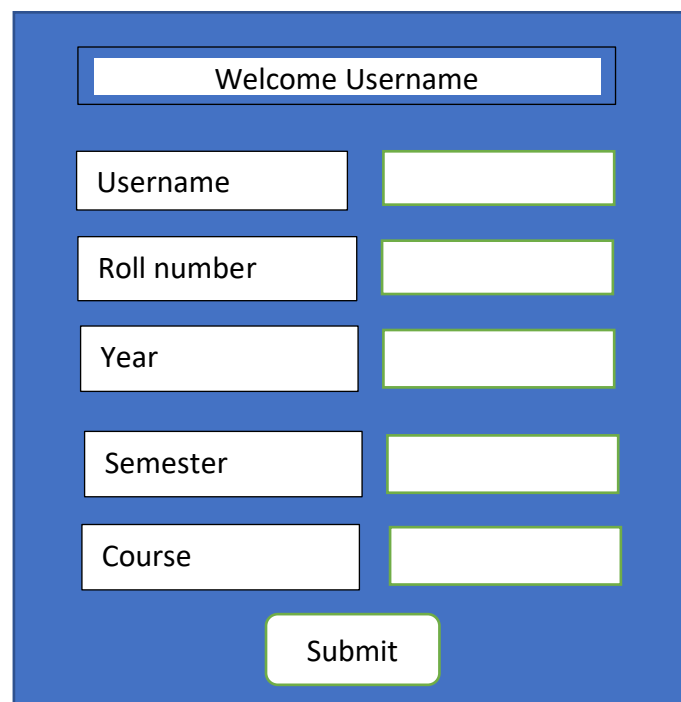
- ii. Sign In Procedure

- a. Login through the Sign In HTML form and write a java program for session tracking using Hidden field form. When you hit the "Sign In" button control should go to "Course registration" form and your session should start.



A blue rectangular form with a white border. It contains two input fields: 'Username' and 'Password', each with a corresponding text label to its left. Below these fields are two buttons: 'Sign In' and 'Sign Up', both with rounded corners and a light blue background.

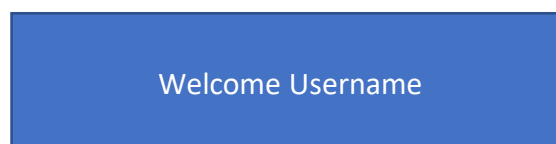
- b. Create a Course registration HTML file as below. Create a Hidden form field which should take the username from the Sign In HTML file and display it in the dialog box.



A blue rectangular form with a white border. At the top, there is a text box containing 'Welcome Username'. Below this, there are five input fields: 'Username', 'Roll number', 'Year', 'Semester', and 'Course', each with a corresponding text label to its left. At the bottom, there is a 'Submit' button with rounded corners and a light blue background.

Course Registration Form

- c. Create a dialog box that takes username from the course registration form and displays it



A blue rectangular dialog box with a white border. It contains a single text box with the text 'Welcome Username'.

2. Write a java program to track sessions for a hit count using life cycle of a servlet
- Initialize global variable in init() method.

- ii. Increase the global variable everytime when you trigger doGet() method or doPost() method.
- iii. Display the total number of HITS in the browser whenever you call the Login HTML file.