**2. Spring MVC (Model-View-Controller) 1.** **Form Validation:**

• **Theory:**

**1.Introduction to form validation in Spring MVC using annotations like @Valid and @NotNull:-**

Spring MVC provides **form validation** using **JSR-303/JSR-380 (Bean Validation API)** annotations like @Valid, @NotNull, @Size, and @Pattern.

* @Valid → Triggers validation on the object.
* @NotNull → Ensures the field is not null.
* @Size(min, max) → Restricts the field length.
* @Pattern(regex) → Validates against a regex pattern.
* @Email → Ensures a valid email format.

**2. Validating user input and handling validation errors:-**

**Steps for Validation & Error Handling**

1️.Add Validation Annotations in Model Class

2️.Apply @Valid and Handle Errors in Controller

3. Display Errors in JSP (View Layer)