**Form Creation Process:**

Step1: Create an angular project.

Step2: Create one component as “Form-Component”. (Command to create component ng g c component name).

Step3: form-component.component.html design the web page as follows:

<div >

    <h1>Product Details</h1>

    <form (ngSubmit)="submit()">

            <div >

                <label for="pid">pid</label><br>

                <input #name="ngModel" required minlength="4" maxlength="10" type="text" name="pid" ngModel>

                <div \*ngIf="name.touched && name.invalid" class="alert"> PID is mandatory field and should contain 4 to 10 characters</div>

            </div>

            <div >

                <label for="pname">pname</label><br>

                <input type="text" name="pname" ngModel>

            </div>

            <div >

                <label for="Qty">Qty</label><br>

                <input type="text" name="Qty" ngModel>

            </div>

            <div >

                <label for="Price">Price</label><br>

                <input type="text" name="Price" ngModel>

            </div>

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

         </form>

        </div>

Form tag 🡪 Used to create an HTML form for user input.

Input tag 🡪 specifies an input field where the user can enter data.

Label tag 🡪 it defines a label for several elements.

H2🡪<h1> to <h6> tags are used to define HTML headings.

Button tag 🡪 it defines a clickable button.

Div Tag 🡪 it defines a division or a section in an HTML document.

Step 4: Define a function in form-component.component.ts as follows:

 submit()

  {

    console.log("Product Added Successfully");

  }

Step 5: Call the defined function in html page while click on submit or save button as follows.

<form (ngSubmit)="submit()">

Step 6: To make any one field as required /mandatory field need to required option before type in input tag. Length for the field should be defined using minlenth & maxlength like below example.

<div >

                <label for="pid">pid</label><br>

                <input #name="ngModel" required minlength="4" maxlength="10" type="text" name="pid" ngModel>

                <div \*ngIf="name.touched && name.invalid" class="alert"> PID is mandatory field and should contain 4 to 10 characters</div>

            </div>

Step7: To add the condition for mandatory / required field define object in input tag and use the define object name in ngIf attribute as follows:

<div >

                <label for="pid">pid</label><br>

                <input #name="ngModel" required minlength="4" maxlength="10" type="text" name="pid" ngModel>

                <div \*ngIf="name.touched && name.invalid" class="alert"> PID is mandatory field and should contain 4 to 10 characters</div>

            </div>

Step 8: Save the project and run the command ng serve to compile the program.