

Learner Assignment Submission Format

Learner Details

- **Name:**H O Akash
 - **Enrollment Number:**SU625MR015
 - **Batch / Class:**MERN Stack
 - **Assignment:**React JS
 - **Date of Submission:**05/08/2025
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Problem Solving Activity 1.1

1. Program Statement

Create a simple contact form in React that accepts a user's name, email, and contact number, and displays an alert message with the entered information when the form is submitted.

2. Algorithm

1. Import React and useState hook
 2. Define the FormAss component
 3. Initialize state variables name, email, and contact using useState
 4. Define event handlers handleName, handleEmail, and handleContact to update state variables
 5. Define the handleSubmit function to display an alert message with entered information
 6. Render the form with input fields and submit button
 7. Handle form submission by calling the handleSubmit function
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3. Pseudocode

BEGIN

 DEFINE FormAss component

 IMPORT React, useState

 DEFINE state variables name, email, contact

DEFINE event handlers handleName, handleEmail, handleContact

DEFINE handleSubmit function

DISPLAY alert message with entered information

RENDER form with input fields and submit button

HANDLE form submission

END

4. Program Code

```
import React from 'react'

import { useState } from 'react'

const FormAss = () => {

  const [name, setName] = useState("");
  const [email, setEmail] = useState("");
  const [contact, setContact] = useState("");

  const handleName = (e) => {
    setName(e.target.value)
  }

  const handleEmail = (e) => {
    setEmail(e.target.value)
  }

  const handleContact = (e) => {
    setContact(e.target.value)
  }
}
```

```
const handleSubmit = () => {

    alert(`Name is ${name} and the email is ${email}, contact is
    ${contact}`);

};

return (

    <center><div className='a'>

        <h1 style={{color:"black"}}>Contact Form</h1>

        <form onSubmit={handleSubmit}>

            <div className='b'>

                <label htmlFor="name" style={{color:"black"}}>Enter your name:
            </label>

                <input type="text" onChange={handleName} value={name}
            style={{backgroundColor:"white"}}/> <br /><br />

                <label htmlFor="email" style={{color:"black"}}>Enter your
            emailId: </label>

                <input type="email" onChange={handleEmail} value={email}
            style={{backgroundColor:"white"}}/><br /><br />

                <label htmlFor="number" style={{color:"black"}}>Enter your
            contact number: </label>

                <input type="number" onChange={handleContact} value={contact}
            style={{backgroundColor:"white"}}/><br /><br />

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

            </div>

        </form>

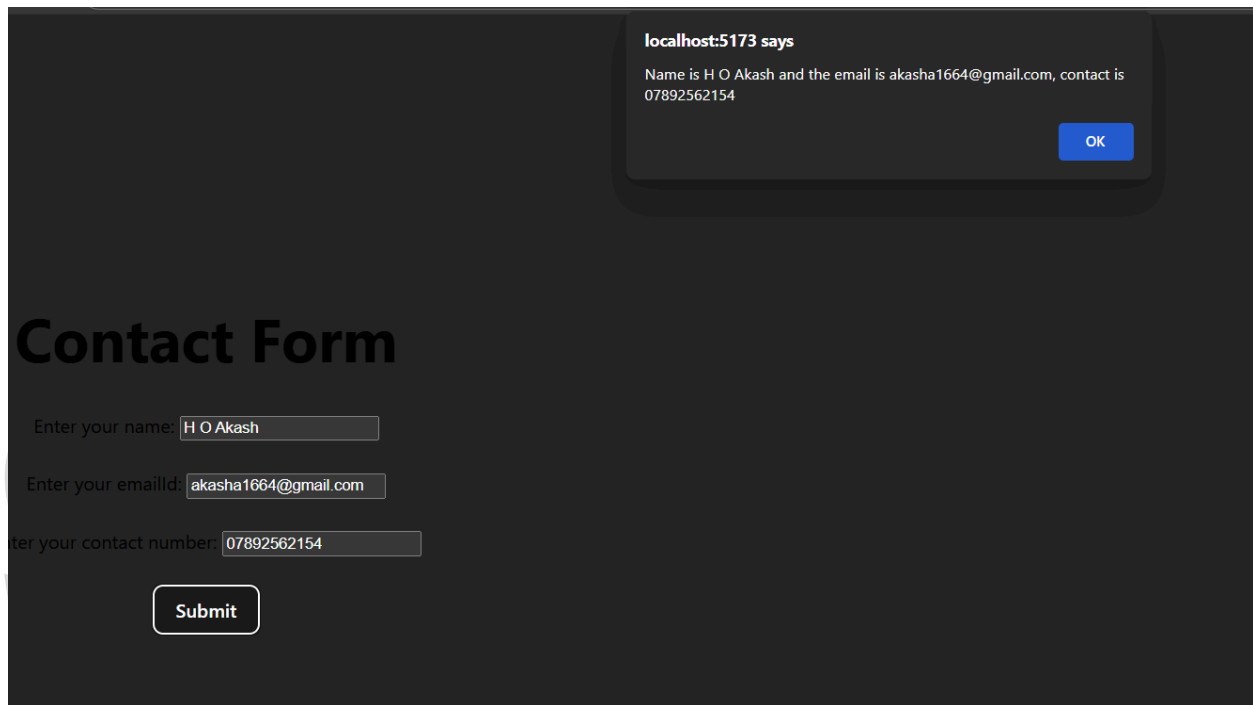
    </div></center>

)

}
```

```
export default FormAss
```

6. Screenshots of Output



The screenshot displays a web application interface. At the top right, a dark alert box with a blue 'OK' button contains the message: 'localhost:5173 says Name is H O Akash and the email is akasha1664@gmail.com, contact is 07892562154'. Below this, the main heading 'Contact Form' is visible. The form consists of three input fields: 'Enter your name:' with the value 'H O Akash', 'Enter your emailid:' with the value 'akasha1664@gmail.com', and 'Enter your contact number:' with the value '07892562154'. A 'Submit' button is located at the bottom of the form.

7. Observation / Reflection

The given React code is a simple contact form that demonstrates the use of state variables and event handlers. Here are some reflections:

- The code uses the useState hook to initialize and update state variables, which makes it easy to manage form data.
- The event handlers handleName, handleEmail, and handleContact are well-defined and update the corresponding state variables correctly.
- The handleSubmit function is well-defined and displays an alert message with the entered information when the form is submitted.

