

Vidyavardhini's College of Engineering and Technology

Department of Artificial Intelligence & Data Science

AY: 2025-26							
Class:	TE	Semester:	A				
Course Code:	C8(502	Course Name:	Web Computing				

Name of Student:	Yash Nilesh Kasare			
Roll No. :	27			
Assignment No.:	03			
Title of Assignment:	Concepts of React Fundamentals.			
Date of Submission:	22/08/25			
Date of Correction:	04/09/25			

Evaluation

Performance Indicator	Max. Marks	Marks Obtained
Completeness	5	5
Demonstrated Knowledge	3	3
Legibility	2	1
Legibility Total	10	9

Performance Indicator	Exceed Expectations (EE)	Meet Expectations (ME)	Below Expectations (BE)
Completeness	5	3-4	1-2
Demonstrated Knowledge Legibility	3	2	1
Legibility	2	1	0

Checked by

Name of Faculty

. Ms Kshifija Gharat

Signature

. (Reharat

Date

: 4/9/25

```
TE (AI/DS) - 26
  Web Computing: Assignment No.03.
 import React, {use State, use Memo} from "react";
export default function Contact Manager () {
const [form, setform] = useState ({ name :
             ", email: "});
const [contacts, Set Contacts] = useState ([]);
const [search, setSearch] = useState (" ");
const on Change = (e) => {
const { name, value } = e. target;
setform ((f) => ({...f, [name]: value}));
const add Contact = (e) > {
 e.preventDefault () 5
 if (! form.name 11 ! form.phone 11 ! form.email) {
 alert ("Please enter au fields");
 return;
set Contacto ((prev) => [... prev, Lid: Date now (),
  ... form }]);
setform ({ name: " ", phone: " ", email: " "});
const removeContact = (id) => {
set Contacts ((prev) => prev. filter ((c) => c.id! == id));
 3 3
```

Milesh Kagare

Placehold, const filtered = use'Memo(() ⇒ f const q = search. to Lower Case (); return contacts filter ((c) => c.name to Lower Case (). includes (9) 1 c.phone.toLowerCase().includes (9) 11 c. emailito Lower Case (). includes (q) [contacts, search]); return Ldiv style = {{ padding : 20}}> Lform on Submit = {add Contact } style = {{display : "fle gap: 8 3}> < input name = "name" placeholder = "Name" value = { form, name } on Change = for Change } < input name = "phone" placeholder = " Phone " value - f form phone J on Change + fon Change }

```
ap <input
 name = "email
 placeholder = " Email"
 value = {form.email}
onchange = { onchange}
<button type = "submit" > Add </bytton>
2/form>
2 Input >
etyle = {{ margin Top: 12, padding: 6, width: "100%"}}
placeholder = "Search ...
value = { search }
on Change = { (e) > set Search (e target value) }
¿ul style = {{margin Top: 12}}>
ffiltered-map((c) > (

    LII Key = { c.id} style = { { margin : "6px 0"}} >

2b>{c.name} 2/b>-{c.phone}-&c.email}{[""}
<br/>
<br/>
Loutton on Click = f() → remove Contact (c.id) } > Remove</br>
 Wbutton>
2/Li>
2/diy>
```

```
import React, {useState} from "react";
0.2
     export default function Colorselector () {
     const [selected, setSelected] = useState ("");
     const colors = ["Red", "Blue", "Green", "Yellow"];
     return (
     Ldiv style = { f padding 120 f} >
     2h2> Q2. Color Selector 4/h2>
     cdiv style = {{ display: "Plex', gap: 10}}>
      {colors.map((c) => (
      abutton key = {c} onclick = {() => set Selected (c) }>
      fct
     2/button>
     2/div>
     ZP style = {fmarginTop: 10}}>
     { selected
       3 "You have selected $ { selected }."
          Please select a color. ??
      Lldivy
```

Import React, { useState } from "seact"; export default function clickCounter () { const [count, setCount] = useState (0); return (<div style = {{ padding : 20}} > < h2> Q3. Click Counter</h2> Lbutton on Click = {() > setCount ((n) > n+1)} > CLICK </button> ∠P style = {{ marginTop: 10}}

Number of times clicked: ∠b> { count} ∠b> 1/P> 2/div>