```
WAP of a function getUser Data that
                                               as an aggument.
 function get-User Data (user Id, callback) &
       const user Data = {id: user Id; name: 'Kunal', email: 'Kunal @xyz-cm's;
   Set Timeout (() → {
      Callback (user Data);
    y, 2000);
getUser Data (1, function (data) L
   console-log (data);
  id: 1, name: «Kural?, email: «Kural@xyz-com;
                                                 -- fetched data.
wite a function fetch Multiple Data --
 ont fetch from ses = will map ( wil = fetch (wil). then (response =) seasonse.
function fetenmentiple Dator (url, callback) ?
Promie all (fetch Promises)
   · then (dota = 1 %
          collack (dosa);
       consolererror ('Error fetching data:', error);
   4)
   · Latch (evror =) 3
    زرو
   https://jsonplace.holder. typicode.com/ posts/1's
const orls = [
   'https://json place.holder. typicode "com/ posts/2",
    fetch Multiple Data ( wills, function (data) L
         Conside - log (data);
```

error menage. 83) write a function fetch para Solo function feten Data () & return new Promise ((rosolve, reject)=) 2 set Timeout (() =) { cont succen = true, if (succen) & const data = Lid: 1 , rome: 'Sample Datary, nesolue (dara); reject ('Error fetching data'); 7,2000) 3); fetch Data () · then I data > 1 comole-log (data); · Carch Lerror 3 4 console-error (error); error menage. ٢٠٠٠ 04) Implement a for calculate Area function calculate Area (length, width) & return new Promise ((resolve, réject) = 1 Soln if (type of length === inumber! de type of width === inumber! de length to && width to) & const area = tength * width; Mesolve (area); reject ('Invalid dimensions'); Jelie L 4,10003; calculate Area (5,10) console. log ('Area!', orea); · tren (orce =) 1 Area: 50 · latch (error =) { Invalid dirension console error (error); consol log

Rewrite me tetenbata function from Q3 using asynch await syntax. stetur new Promise ((resolve, réject) = 1 Set Time out() = } const succen'= true; if (succen) & const data = did: 1, name: 'Sample Data's; resolve (data): 4 ched reject ('Error fething data'); الم 2000); 5)5 argue function fetch Data Assync () & try L Const data = await fetch Data (); Console log (data); y cath (error) L console. Payor (evion); fetinData Asyn (); fid:1, name: 1 sample Data's 0/9 Essor fetching data - data. eate an anyne function asyn functions fetch And Procen Data() h Const response = await fetch ('nttp://.../posts')'s but procenced Data = data · filler (post =) post. wer Id ===1); tehan procenced Data; Console ellor ('Ellor fetching or procening data:', ello); Juhn (erroi) L

async function display Procenced Data() &

const data = await fetch And Procens Data();

consolerlog (data);

display Procenced Data();

of: " cone: " Suefic Leve

" Goldward, 42

```
Accignment - +
ment a simple Courses Component: over handling.
  intion React, EuroState I from treact?
 finding Courter() 4
  rution I count > set (our ) = use State (6);
  notion (
      2di07
      (n2) Counter: { count } </h1>
     (button on Click = (1) =) Set Count ( (count + 1) & Inorement (/ button)
     (button on Click = {()} & set (ount (count -1) y> Decrement </br/>
/ button>
  ZIdiv>
  function Appl) {
  93
      return (
         Ldivs
             ( Counter 1>
             21dis>
  rexport default App;
                                              user input
  Build a Todo List App :
import Reat, 2 we state & from tricact's
 const [todos , set 70000] = me Stare ( []);
function Todo List () L
 unt I new Todo, set New Todo ] = we State. (11);
comit add Todo = () = 1
       Set Todos ( I... todos, Ltext: new Todo, completed: false 53);
      if (now Todo · trim()) &
       set New Todo (11);
 Const toggle Todo = index = 1 L
55
      const row Todos = todos map ((rodo, i)=) (
         i===index? L... todo, completed: I todo compreted y: todo
       ))·;
         set Todos (new Todos);
```

```
const delete Todo = index = 1
    Const new Todos = todos filer ((-, i) = i! == index);
      Set Todos (new Todos);
 75
 networ (
          < h1> Todo List Un1>
     (div)
           Linput>
            type = 11 text 11
             on Change = d(e) =) set New Todo (e · target · value)}
            placeholder = " Add a new task"
        < button onclick = Ladd Tode Jy Add </ button >
     Zul>
      <u vey = 1 index y style = 24 text Decoration: todo completed? "line-1
  Lspan on wick = 1() = toggle Todo Lindex) y7 stodo. texty </span>
   Lbutton on Wick={()} delete Fodo (index) y> Delete </button>
  4117
  7)7
   2/44
  LIDITY
function Appl) 1
   return (
        <011>
         < TodeList 17
       21div 7
  2 22
    export default App;
```

```
Implement a Basic Calculator:
port React, twestores from react;
                                                          React
 funtrion
    const linput, set Input ] = use State (11);
    const [nexult, set Result ] = use State(11);
  const randle Wick = value = 1
         set Input (input + value);
   ont alculate = () = 12
 95
        my h
           set Result (eval (input));
      Y Catch 1
       Set Result ( 'Errori);
coust clean = () = 1
    Set Input (11);
     set Result (");
     neturn (
 3;
       (div)
  (input type = "text" value = (inputy neadonly />
   (dir) Result: Gresult) (/dir)
        $[11, 121, 31, 141, 141, 151, 161, 127, 17, 181, 191, 1*1, 101, 127, 121,
   (button reg = (value y on click = 3() =) value === 1=1 ? (alculate (): handle Click (value)
              {valuey
              </button?
            (button on Click = A clean y > Clean (/button)
           7) 4
           (/dis>
          LIDIVY
```

```
function Appl) 1
            neturn ( "
                (div)
                   < Calculator 17
              2/01/7
            7,2
      enport default Apps
                                          APIS in React.
By) Develop a Weather App: ----
   import React, & we state & from 'react';
       const Elocation, set Location ] = we state (");
 function Weather ()" &
       Const [ weather, setweather] = we state (null);
    const fetch weather = async()=) 1
           if (location. trim()) &
            const response = avait fetch ('nttps://opi-
            const data = await despurse.json();
           set weather (data);
           altert l'failed to fetch weather data');
       Geatch h
           Y
           networ (
        7
                    ens weather App 21/12
                 Linputs
                    on Change = (10) =) set Location (e. tanget. value) y
                   type = xtext"
              Chutton on Cick = 4 fetch weather }> Get weather 
                 placeholder = "Enter location" 17
                   2 weather & & l
                             (h2) { weather name & (/h2)
                             2p7 (weather - weather Co). descriptions (1p)
                     ip) Temperature: {meth. round (weather. main. temp - 273.15)}
                             sis cldivy
```

```
Tunution Appl) L
        networ C
          (div)
            ( weather 1>
             2/0017
          15
  export default App;
 mare a simple Quizhame:
 plate React, two. State, we Effect & from meact;
 const questions = I
 question: 1 paris, 1 and 1 france?'s
  opriorus: [Paris', 'London', 'Rome', 'Berlin'],
  arwer : 1 Parist
 question: who wrote 41 Ham let"?
                                      · Henrin givay', 1701Kien's,
   options: [ stakes peane, Dickens,
   aswer: 'shavespeane'
 COMP [ Word Set Scotle ] = was (to be 1)
   4,
 const Escore, set score ] = we state (0);
 const [time left, setTime left] = we state (10);
      const times = set Time out (1) = set Time Left (time Left -1), 1000);
ne Effect (() = ) h
  if (time Left > 0) L
       neturn () = clean Timeout (timen);
    yelle &
       next Question ();
  & time Left 3);
  (ont next Question = () = 1
     if (countert Question < questions. length -1) {
          set current Question (current Question +1);
           Set Time Left (10);
```

```
Yelle 2
   aleset ( 'Quiz flaished! Your score: $ Escore 4');
ر
ک'ک
    const select Option = option = 1 {
         if (option = = = questions ( convert Question). answer) }
            set score (score +1);
        next Question ();
      4,
   netur (
       (p) Time left: 2 time left & seconds (1P7
     < div >
      <11) Quiz Game </11)
       2h2> 1 questions [convert Question]. question y </ h2>
      Equestion I award Guestion J-options. rap (option =) (
      Jophion ye/buston?
             77 7
                   2 store 3 LIP7
        Kpy score:
         L/div7
     9 35
      function App() (
          Meturn C
         'Ldiv.7
            10vi2 17
           410007
```

export default App's