Assignment No. 1B

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Batch : K11 Subject : WADL

1. Index.html

```html
<! doctype  html >
< html  lang = "en">

< head>
   < title> Assignment 1B< /title>
   < meta  charset = "utf-8" >
   < meta  name = "viewport"  content = "width=device-width,
initial-scale=1, shrink-to-fit=no">
   < link  href =
"https://cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/css/bootstrap
 .min.css"  rel=  "stylesheet"
 integrity = "sha384-
iYQeCzEYFbKjA/T2uDLTpkwGzCiq6soy8tYaI1GyVh/UjpbCx/T  YkiZhlZB6+fzT"
crossorigin = "anonymous">
   < script  src=
"https://ajax.googleapis.com/ajax/libs/jquery/3.6.3/jquery.min.js "
>< /script>

< /head>

< body>
   < div  class=  "container my-4">
      < main  id = "output"  class = "bg-dark text-light p-4 rounded
mb-4  w-50 mx-auto"  style = "letter-spacing: 2px;" >
        </main>

      < div  class=  "w-50 mx-auto mb-4 text-end" >
         < button  class = "btn btn-dark"
 onclick=  " fetchData() " > Reload< /button>
      < /div>

      < form  id=  "addNumberForm"  class=  "p-4 border shadow-sm w-
50  mx-auto" >
         < div  class=  "mb-2">
            < label  for=  "firstName"  class = "form-label">
            First
```

```html
 Name< /label>
     < input  value = "Hemang"  type=  "text"  class = "form-control"
 name = "firstName"  required  id = "firstName"  aria-describedby =
 "helpId"  placeholder = "Enter Your First Name">
         < /div>
         < div  class = "mb-2">
             < label  for = "lastName"  class = "form-label" >
             Last
 Name< /label>
             < input  value = "Barhate"  type = "text"
 class=  "form-control"  name = "lastName"  required  id = "lastName"
 aria-describedby=  "helpId"  placeholder = "Enter Your Last  Name" >
         < /div>
         < div  class = "mb-2" >
             < label  for = "age"  class = "form-label" > Age<
             /label> < input  value = "21"  type=  "text"
             class = "form-control"
 name=  "age"  required  id=  "age"  aria-describedby = "helpId"
 placeholder = "Enter Your Age" >
         < /div>
         < div  class=  "mb-3" >
             < label  for = "college"  class = "form-label" >
             College
 Name< /label>
             < input  value = "pict"  type=  "text"  class=
             "form-control"
 name = "college"  required  id=  "college"  aria-describedby=
 "helpId"  placeholder=  "Enter Your College Name" >
         < /div>
         < button  type=  "submit"  class = "btn
 btn-primary">  Submit< /button>
         < hr>
         < small  class=  "small text-success"  id=  "msg"><
     /small> < /form>
   < /div>

   < script>  const  output  =  document .
     getElementById ( "output") ;  function
     fetchData()  {
         var  xhttp  =  new  XMLHttpRequest() ;  xhttp.
         onreadystatechange  =  function() {  if  ( this.
         readyState  == 4  &&  this.  status  == 200) {
         let  data  =  JSON.  parse ( xhttp.  responseText )

             let  string  =  `name: ${ data.  firstName}
 ${ data.  lastName } < hr>age: ${ data.  age} < hr>college: ${
 data . college}  `;

             output . innerHTML  =  string ;

             w  =  window. open() ;
             w . document . body. innerHTML =  "<h1>User
 Details</h1><h3>";  w . document . body . innerHTML  +=
         string ;  w . document . body. innerHTML  +=
         "</h3>" ;  } } ;  xhttp . open ( "GET" ,
         "http://localhost:3000/" ,  true) ;  xhttp.
         send() ;
```
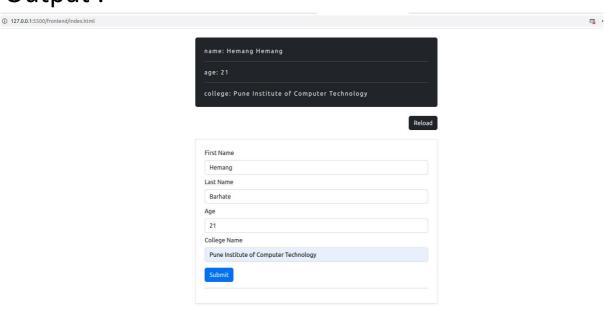
```
        }
        document. body. onload = ()  => {
            fetchData ()

            document.  forms . addNumberForm . addEventListener(
            "submit",
( event ) => {    event. preventDefault() ;   const
            firstName = event. target . firstName .
            value ;  const lastName = event. target .
            lastName . value;   const age = event .
            target . age. value;   const college =
            event . target . college . value ;
            $ ( "#msg" ). html ( "" )
            $ . ajax ({
                type:
                'post' ,
                url: 'http://localhost:3000/' ,
                data:  JSON . stringify ({
                firstName , lastName , age ,
                college
                }) ,
                contentType:  "application/json; charset=utf-
                8" , traditional: true , success :
                function ( data) { fetchData() ;
                    $ ( "#msg" ). html ( "User Details Updated"
                    )
                }
            }) ;
        })
        } ;
    < /script>
< /body>

< /html>
```

2. index.js

```
const express = require(
"express" ) app = express() ;
app . use ( express . json()) ;

app. use( function ( req,  res,
  next) {  // Website you wish to allow
  to connect
  res. setHeader ( 'Access-Control-Allow-Origin' ,  '*') ;
  // Request methods you wish to allow
  res . setHeader ( 'Access-Control-Allow-Methods' ,  'GET, POST,
  OPTIONS,
PUT, PATCH, DELETE') ;
  // Request headers you wish to allow  res .
  setHeader ( 'Access-Control-Allow-Headers' ,
'X-Requested-With,content-type') ;
  // Set to true if you need the website to include cookies in the
requests sent
  // to the API (e.g. in case you use sessions)
  res. setHeader( 'Access-Control-Allow-Credentials',  true) ;
```

```javascript
    // Pass to next layer of
middleware  next() ;  });

 var  data =  {
   firstName:  "" ,
   lastName: "",
   age: "",
    college: ""
 }

  app.  get(  "/" , ( req ,  res )
   => {  res.  status ( 200 ).
   json(  data) ;
  })

  app.  post ( "/" , ( req ,
   res )  => {   const
   userData  =  req . body
   data =   userData ;
   console.  log(  data)
 res . status ( 200 ). json ( data) ;
  }) ;

  app . listen ( 3000 , ()  => {
console . log ( "http://localhost:3000" )
  }) ;
```

Output :

User Details

name: Hemang Barhate

age: 21

college: Pune Institute of Computer Technology