

To use api in your website-

const express=require("express");

const app=express();

const https=require("https");

app.get("/",function(req,res)

{

 res.send("Hey!! server started");

 const url="https://api.openweathermap.org/data/2.5/weather?q=Allahabad&appid=dea259ae24c989df7d1a44ab49af6027&units=metric";

 https.get(url,(response)=>

 {

    console.log(response);

 })

})

app.listen("3000",()=>

{

    console.log("Server port 3000 has started");

})

To parse json-

app.get("/",function(req,res)

{

 const url="https://api.openweathermap.org/data/2.5/weather?q=California&appid=dea259ae24c989df7d1a44ab49af6027&units=metric";

 var weatherData,temp,City;

 https.get(url,(response)=>

 {

    response.on("data",(data)=>{

    var weatherData,temp,City,wDiscription,icon;

    weatherData=JSON.parse(data);

    temp=weatherData.main.temp;

    City=weatherData.name;

    wDiscription=weatherData.weather[0].description;

    icon="http://openweathermap.org/img/wn/"+weatherData.weather[0].icon+"@2x.png";

    console.log("Current Temperature in "+City+" is "+temp);

    res.write("<p>The weather Discription is "+wDiscription+"</p>");

    res.write("<h1>Current Temperature in "+City+" is "+temp+" \*C </h1>");

    res.write('<img src='+icon+' alt="icon">');

    res.send();

});

 })

})

To get data from api use-

**response.on(“data”,(d)=>{**

d is in hexadecimal form .

to convert it to json form use –

weatherData=JSON.parse(d);

**…………………………})**

To send multiple resonse use res.write() and then res.send().

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THE NEWS LETTER-

1)To send css files along with html create public folder and put your files there. Don’t write href of css files relative to public. Express will begin reading file from public folder only-app.use(express.static("public"));

<link href="/css/styles.css" rel="stylesheet" >

const express=require("express");

const app=express();

const bodyparser=require("body-parser");

app.use(express.static("public"));

app.get("/",(req,res)=>{

    res.sendFile(\_\_dirname+"/signup.html");

})

2)To use api read documentation-

To send values(object) to api -create object and stringify and https.request(url,option,(response)=>{..})

const express=require("express");

// const request=require("request");

const bodyparser=require("body-parser");

const https=require("https");

const app=express();

app.use(bodyparser.urlencoded({extended:true}));

app.use(express.static("public"));

app.get("/",(req,res)=>{

    res.sendFile(\_\_dirname+"/signup.html");

});

app.post("/",(req,res)=>{

    const fname=req.body.fname,lname=req.body.lname,email=req.body.email;

    const subscriber={

        members:[

            {   email\_address:email,

                status:"subscribed",

                merge\_fields:{

                    FNAME:fname,

                    LNAME:lname

                }}]};

    const jsonData=JSON.stringify(subscriber);

    const listId="ee64e63919";

    const apiServer="us21";

    const apiKey="09db34464676ff81ad04be6658149477-us21";

    const url="https://"+apiServer+".api.mailchimp.com/3.0/lists/"+listId;

    const option={

        method:"POST",

        auth:"zia:"+apiKey//you can write any name

    }

    const request=https.request(url,option,(response)=>{

        response.on("data",(data)=>{

            console.log(JSON.parse(data));

        })

    })

    request.write(jsonData);

    request.end();

});

app.listen(3000,()=>{

    console.log("Server is running on port 3000");

});

Request.write()—to write on subscriber.

To switch between pages-

<form action="/failure" method="post">

                <button class="btn btn-outline-danger" type="submit">Try Again</button>

            </form>

app.post("/failure",(req,res)=>{

    res.redirect("/");

});

To host static websites-github

To host website which run through server(i.e,run locally using node/nodemon)-use Heroku

To use Heroku-

* type heroku login on cmi
* change port 3000 to(process.env.PORT||3000) so it runs on both Heroku and local server.

process.env.PORT is for Heroku as it may change port depending upon availibilty

* create a procfile(which contains command to be executed). Only ‘Procfile’not ‘Procfile.txt’
* But Heroku is not free from 2022 ☹