

**Session 6 :**  
**Nov 17th - 2020:**

**Task for the day:**

**Note: Try to use all components as much as possible like logger, set variable, setpayload,choice, scatter-gather,http-reques,transform message,private/sub flows, flow-ref wherever needed. You can use your mind to accommodate all these components**

**Create a RESTful Application that returns result of weather details of any two cities that you pass.**

**Step1 : Create RAML .**

**It should be a GET method**

**queryParams : name**

**Body : application/json**

**Pass city names. As an array.**

**eg:**

```
{
  city : ["hyderabad" , "london"]
}
```

**Sample Response:**

```
{
  "Requestor": "your name",
  "City": [{
    "Name": "hyderabad",
    "maxTemp": "23.45 Celsius",
    "minTemp": "21.34 Celsius",
    "Humidity": "humidity details received from 3 rd party API"
  },
  {
    "Name": "london",
    "maxTemp": "3.45 Celsius",
    "minTemp": "1.34 Celsius",
    "Humidity": "humidity details received from 3 rd party API"
  }
  ]
}
```

## **Step2 : Import Project into Anypoint Studio and implement logic.:**

To get weather details.

Use following API details in HTTP requestor:

[http://api.openweathermap.org/data/2.5/weather?  
q=hyderabad&appid=29d089b734ad5a0768d2b55f2cf31a09](http://api.openweathermap.org/data/2.5/weather?q=hyderabad&appid=29d089b734ad5a0768d2b55f2cf31a09)

q,appid are queryParams.

Note: Our logic is to get details of 2 cities .

So for that u might need scatter-gather .

Before that, get the city values form input. Use splitBy function

For example :

```
{  
    city : ["hyderabad" , "london"]  
}
```

DW :

payload.city splitBy “,” gives [“hyderabad,”london”]

So store this in a variable say cityName

and to access single value, use vars.cityName[0] gives “hyderabad”,  
vars.cityName[1] gives “london”

Use these values to pass in scatter gather (2 http request are required) individually. And then transform the response as Sample response shown above.

Watch the video on how to configure HTTP request.

Before asking doubts regarding errors, google yourself first which is best way of learning.

In any case if you are able to use choice router , its good. If not it's ok. Loggers are important. Place loggers before and after HTTP request and one logger at the end to print the payload details.

**Note : details should not be hardcoded. Everything should be in property file**

## **Step3 : Deploy the application in Runtime Manager:**

**Deploy the app in Runtime Manager and give me the url. I will test if its working fine.**