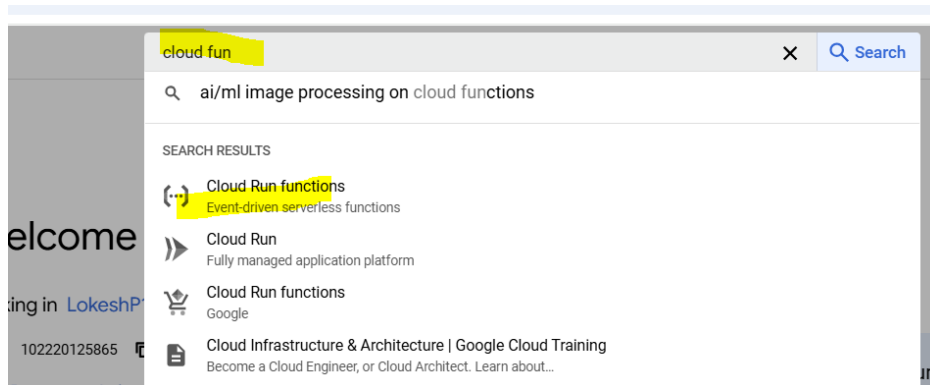


In previous lab we tested our function locally and in this lab we will deploy our function to GCP cloud.

1) Open cloud functions in GCP



2) Go to VSCode, open terminal, and make sure you are in the order-function folder, then run the below command

```
gcloud functions deploy order-function --gen2 --runtime=dotnet6 --  
region=us-central1 --source=. --entry-point=order_function.Function --  
trigger-http --allow-unauthenticated
```

hit “y” if it asks to enable API in the project

```
19 Console.WriteLine("Order function activated...");  
20 var body=new StreamReader(context.Request.Body).ReadToEndAsvnc().Result:  
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS COMMENTS  
PS C:\Readit\order-function> gcloud functions deploy order-function --gen2 --runtime=dotnet6 --region=us-central  
1-a --source=. --entry-point=order_function.Function --trigger-http --allow-unauthenticated  
API [cloudfunctions.googleapis.com] not enabled on project [lokeshp1]. Would you like to enable and retry (this  
will take a few minutes)? (y/N)? y  
Enabling service [cloudfunctions.googleapis.com] on project [lokeshp1]...
```

3) If you see a warning about the .NET version, you can ignore it

4) Once completed, copy the URL

```
18 {
19     Console.WriteLine("Order function activated...");
20     var body=new StreamReader(context.Request.Body).ReadToEndAsvnc().Result;
```

PROBLEMS OUTPUT DEBUG CONSOLE **TERMINAL** PORTS COMMENTS

```
serviceAccountEmail: 102220125865-compute@developer.gserviceaccount.com
timeoutSeconds: 60
uri: https://order-function-yxsn2cdd6q-uc.a.run.app
state: ACTIVE
updateTime: '2025-02-08T06:22:59.571797051Z'
url: https://us-central1-lokeshp1.cloudfunctions.net/order-function

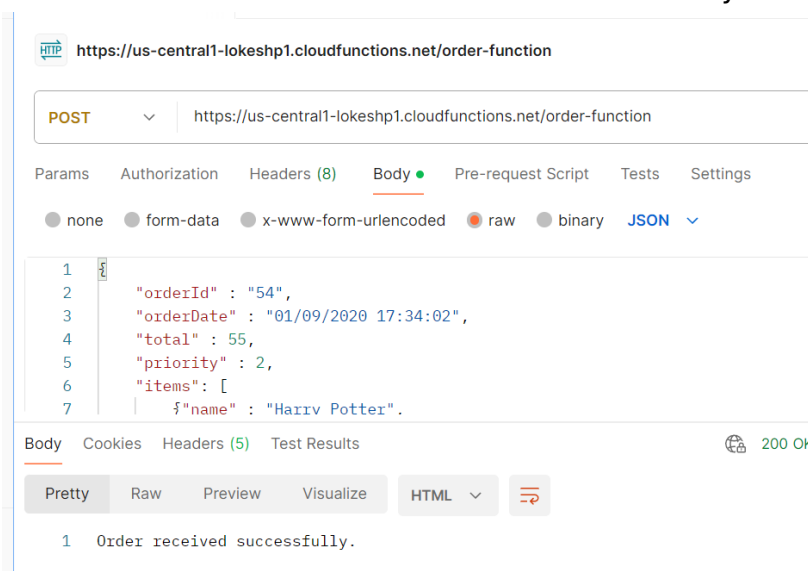
Updates are available for some Google Cloud CLI components. To install them,
please run:
$ gcloud components update

To take a quick anonymous survey, run:
$ gcloud survey

PS C:\Readit\order-function>
```

5) Now go to postman, and only change the URL, keep all settings the same as we made in previous lab and click send.

This should also return as order received successfully



6) Go to the GCP function page, here we can see that our function has been created and we can also see all its details like name, version, region, etc.

Cloud Run functions										
Functions										
We will be integrating Cloud Functions into Cloud Run UI in the upcoming months.										
Filter functions										
	Environment	Name ↑	Last deployed	Region	Recommendation	Trigger	Runtime	Memory allocated	Executed function	Actions
	Cloud Run function	order-function	Feb 8, 2025, 11:52:59 AM	us-central1		HTTP	.NET 6.0	256 MB	order_function.Function	

7) Now open the function and go to logs, here we can see all the details about the order that we ran from the postman

✔ order-function

Cloud Run function

(Deployed at Feb 8, 2025, 11:52:59 AM)

URL: <https://us-central1-lokeshp1.cloudfunc>

METRICS

DETAILS

SOURCE

VARIABLES

TRIGGER

PERMISSIONS

LOGS

TEST

Logs

Severity
Default

Filter Search all fields and values

SEVERITY	TIMESTAMP	SUMMARY
> *	2025-02-08 11:55:34.886 IST	Order received: {
> *	2025-02-08 11:55:34.886 IST	"orderId" : "54",
> *	2025-02-08 11:55:34.886 IST	"orderDate" : "01/09/2020 17:34:02",
> *	2025-02-08 11:55:34.886 IST	"total" : 55,
> *	2025-02-08 11:55:34.886 IST	"priority" : 2,
> *	2025-02-08 11:55:34.886 IST	"items": [
> *	2025-02-08 11:55:34.886 IST	{"name" : "Harry Potter",
> *	2025-02-08 11:55:34.886 IST	"id" : "443",
> *	2025-02-08 11:55:34.886 IST	"price" : 55
> *	2025-02-08 11:55:34.886 IST	}
> *	2025-02-08 11:55:34.886 IST]
> *	2025-02-08 11:55:34.886 IST	}
> *	2025-02-08 11:55:34.892 IST	Order function completed
> *	2025-02-08 11:55:34.894 IST	Request finished HTTP/1.1 POST https://us-central1-lokeshp1.cloudfunctions.net/

8) So now we have our cloud function ready in our environment.