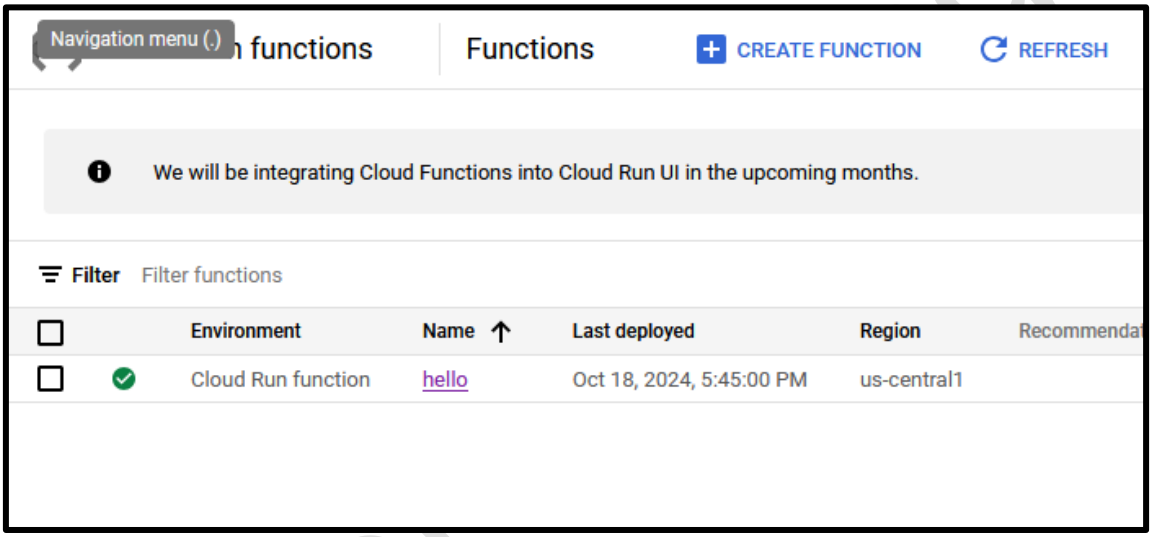
Google Cloud Platform Practices

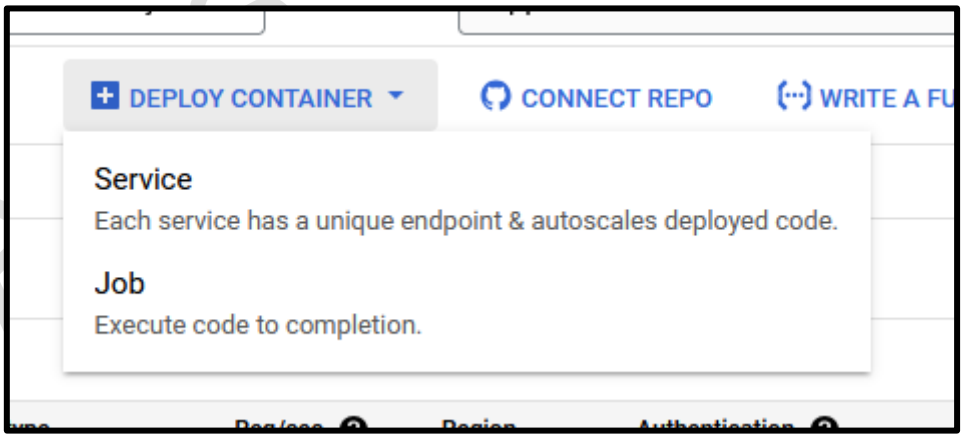
1. Cloud Function

- In this example, we're going to create a Python-based Cloud Function. What the function will do is return a text in capital letters that is passed to it as an argument.

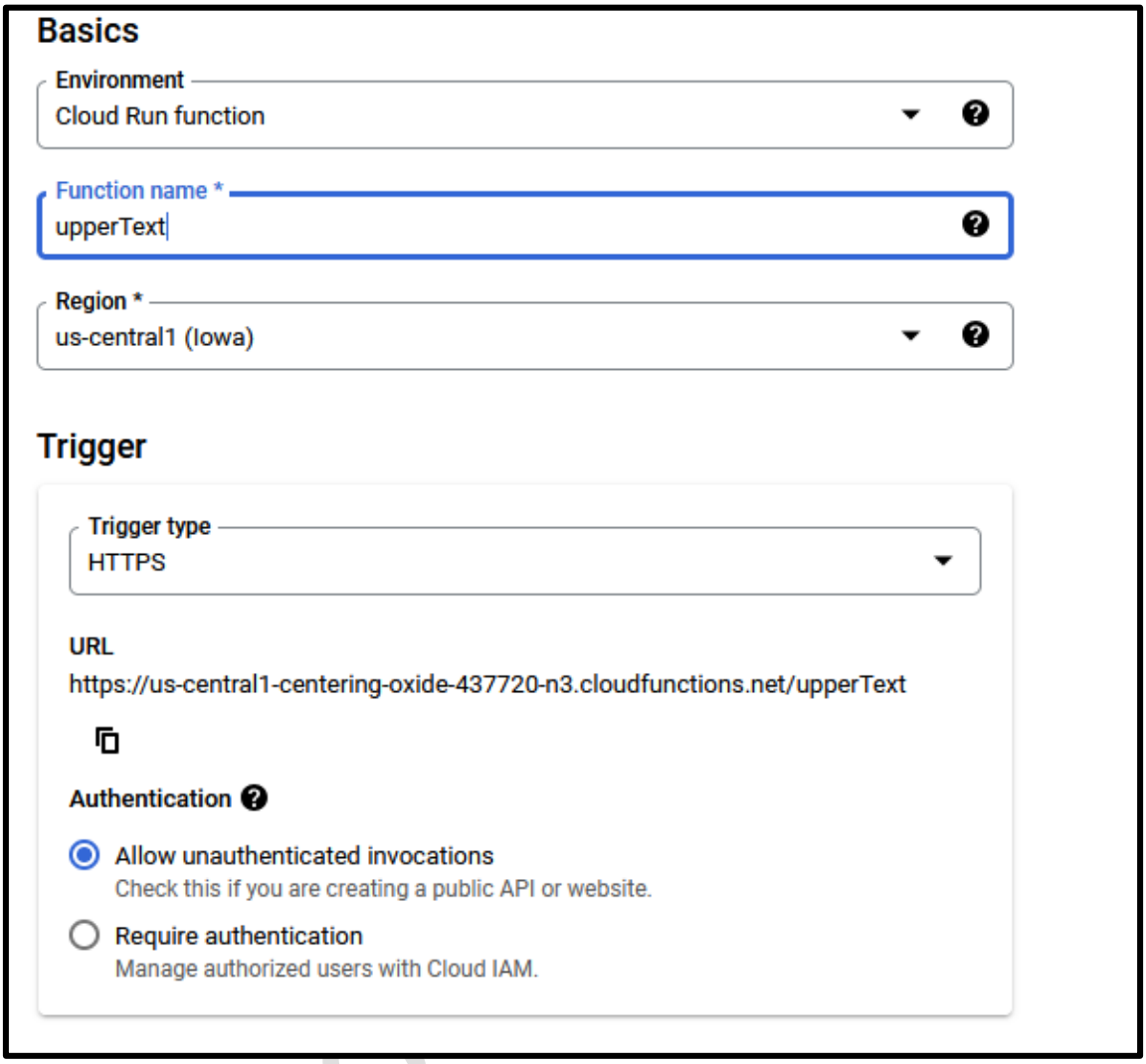
- We access Cloud Function. My screen may be different from the one you have



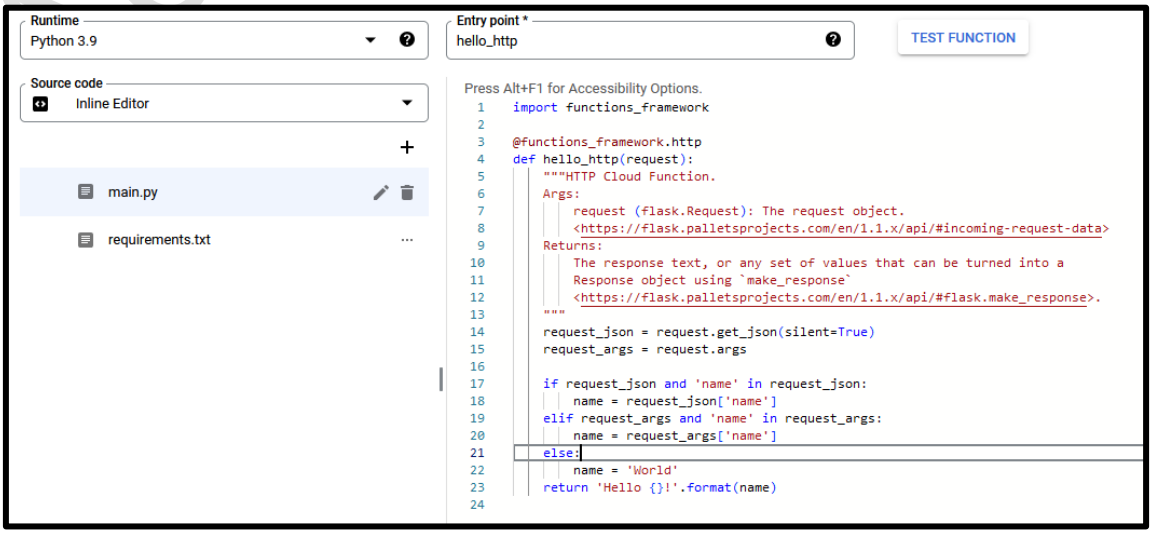
- Select "CREATE FUNCTION".



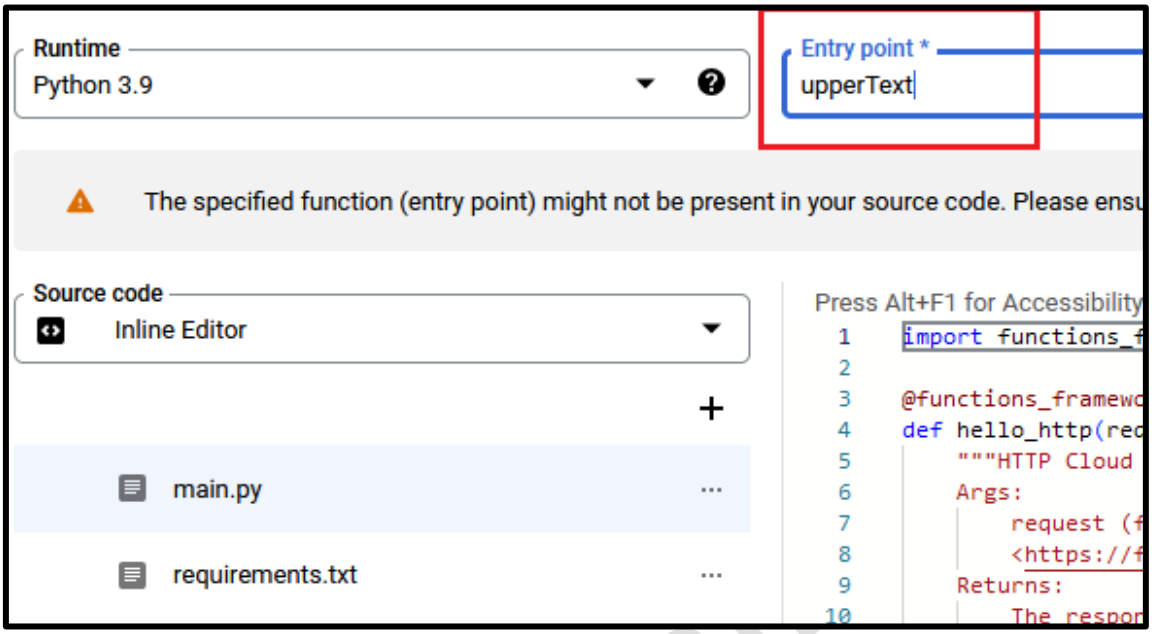
- The name of the function will be "upperText". We put an HTTPS trigger and allow full access.



- Click on the "NEXT.
- On the next screen we indicate Python3.9 as the language.
- Something similar to the following should come out.



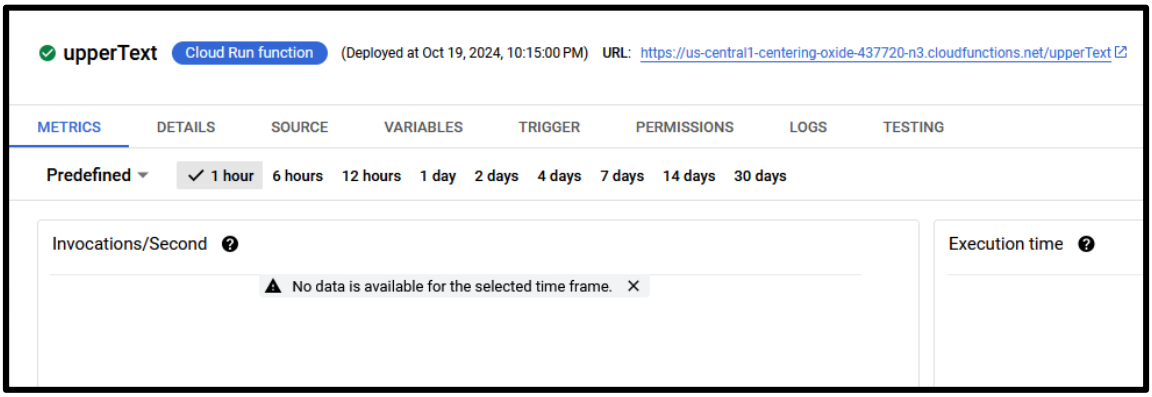
- We changed the EntryPoint to the name of our function



- We changed the code of the function:

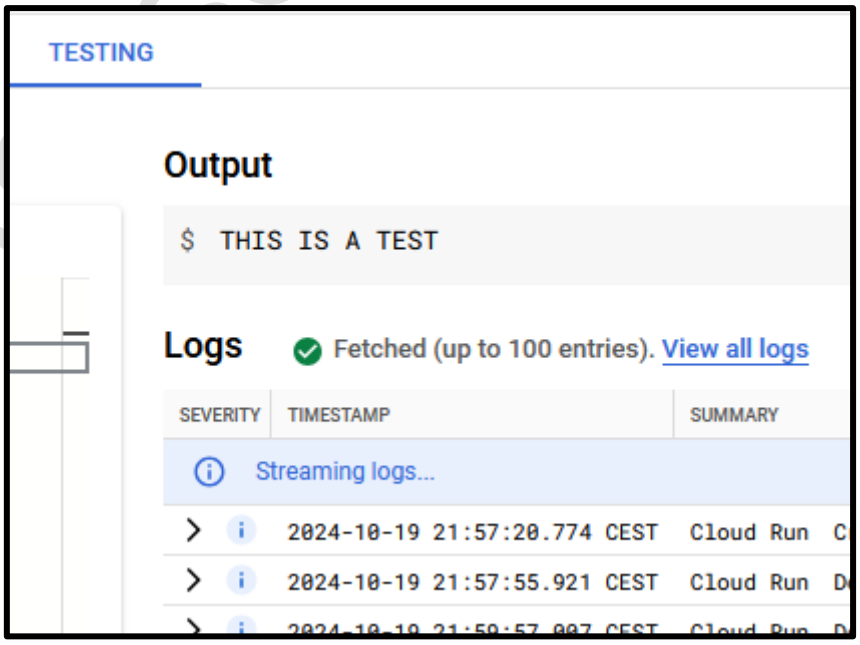
```
import functions_framework

@functions_framework.http
def upperText(request):
    request_json = request.get_json(silent=True)
request_args = request.args

    # Check if text comes in JSON body
    if request_json and 'text' in request_json:
        text = request_json['text']
    elif request_args and 'text' in request_args:
        text = request_args['text']
    else:
        return 'No text provided', 400

    # Convert text to uppercase
    return text.upper()
```

- Click on the "DEPLOY" button.
- If everything is correct, a screen similar to the following should appear:



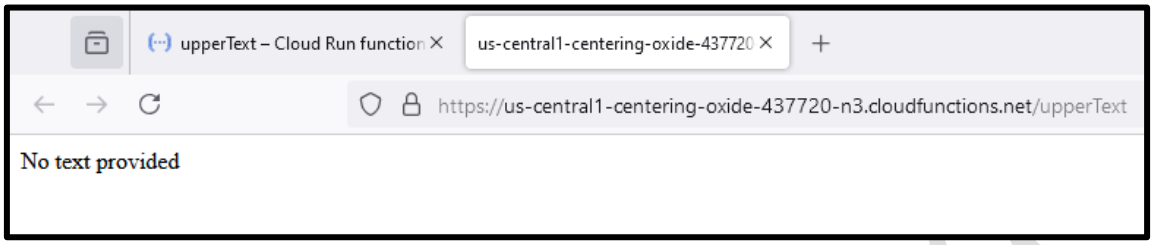
- We're going to go to the "TESTING" tab to test our feature.
- We put any text in the function. We need to change the "name" parameter to "text".

- Click on the "TEST THE FUNCTION" button.
- A result like the following should appear.



- We copy the URL to test the feature from a WEB browser

- If we run it without any parameters, the following message should appear.



- Now we put an argument. We must put the symbol "?" followed by the argument "text" and the text to be converted into capital letters.
- For example

URL?text=A simple Cloud Function

- Result