

Function bindings allow your code to save blobs to blob storage by returning them from the `main` function. The Azure Storage account, collection and other details are configured in the `function.json` file.

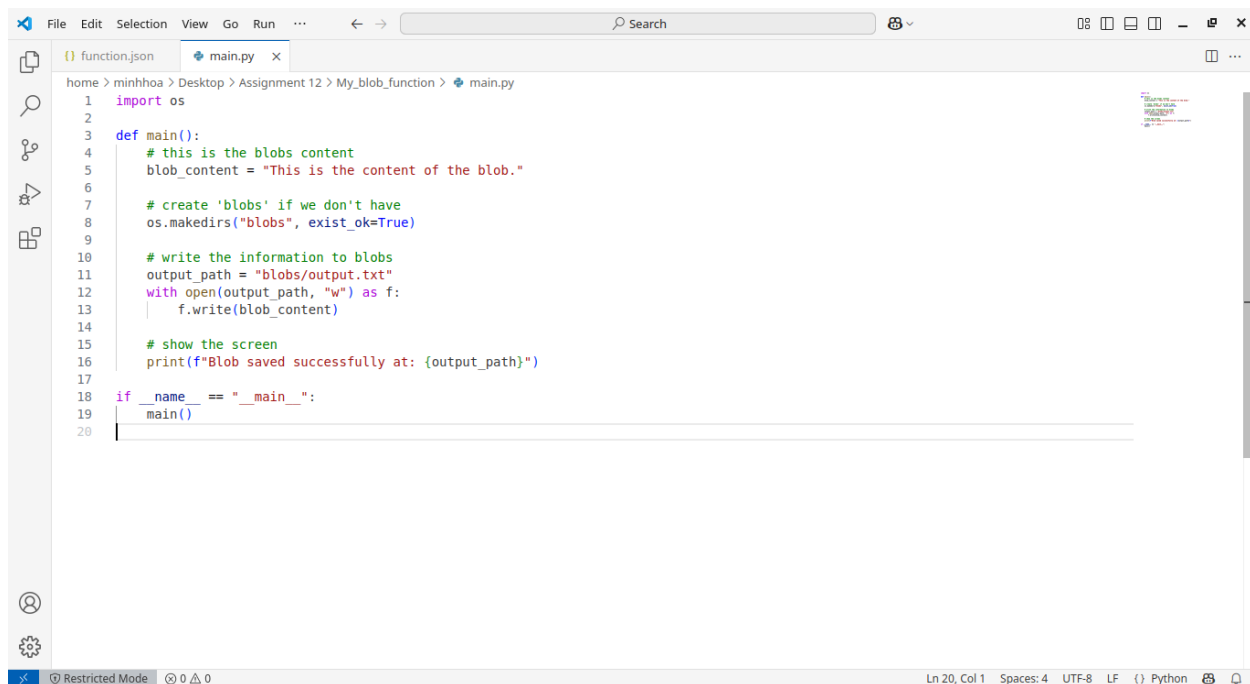
When working with Azure or other Microsoft technologies, the best source of information is [the Microsoft documentation at docs.com](#). In this assignment you will need to read the Azure Functions binding documentation to work out how to set up the output binding.

Answer

- In this assignment, I will store the data locally instead of on Azure because of some limitations in creating an Azure account.

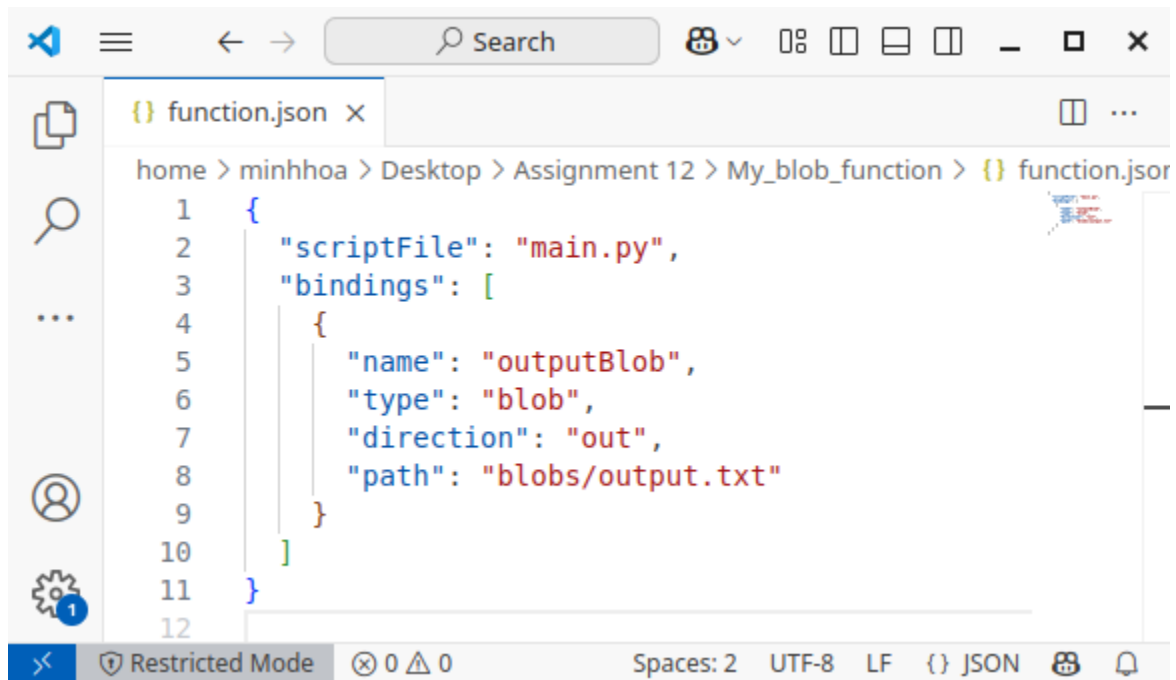
1. Creating the necessary files

- First, we will create a `main.py` file so that we can send and write data to the blobs folder as an `output.txt` file.



```
1 import os
2
3 def main():
4     # this is the blobs content
5     blob_content = "This is the content of the blob."
6
7     # create 'blobs' if we don't have
8     os.makedirs("blobs", exist_ok=True)
9
10    # write the information to blobs
11    output_path = "blobs/output.txt"
12    with open(output_path, "w") as f:
13        f.write(blob_content)
14
15    # show the screen
16    print(f"Blob saved successfully at: {output_path}")
17
18 if __name__ == "__main__":
19     main()
20
```

- Next, we will create the function.json file.



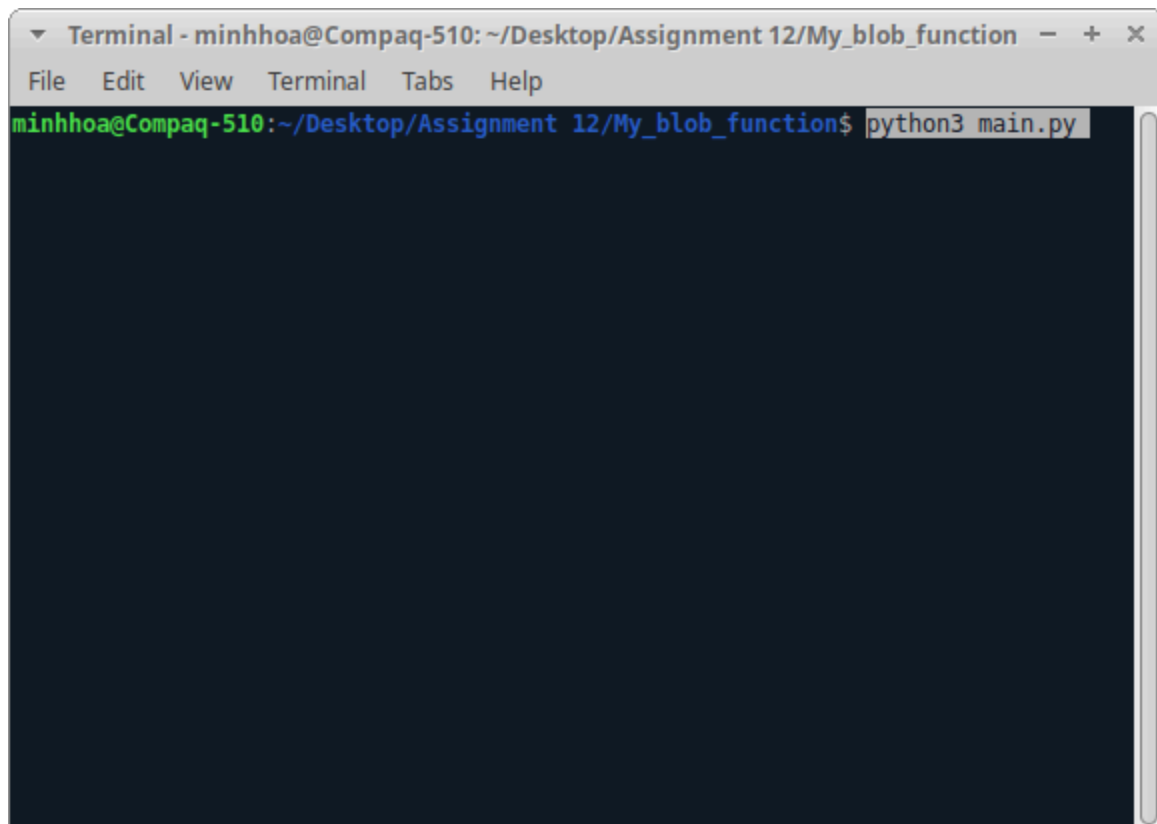
The screenshot shows the Visual Studio Code editor with a file named `function.json` open. The file path is `home > minhhoa > Desktop > Assignment 12 > My_blob_function > {} function.json`. The JSON content is as follows:

```
1  {
2    "scriptFile": "main.py",
3    "bindings": [
4      {
5        "name": "outputBlob",
6        "type": "blob",
7        "direction": "out",
8        "path": "blobs/output.txt"
9      }
10   ]
11 }
12
```

The status bar at the bottom indicates "Restricted Mode", "0 errors", "0 warnings", "Spaces: 2", "UTF-8", "LF", and "JSON".

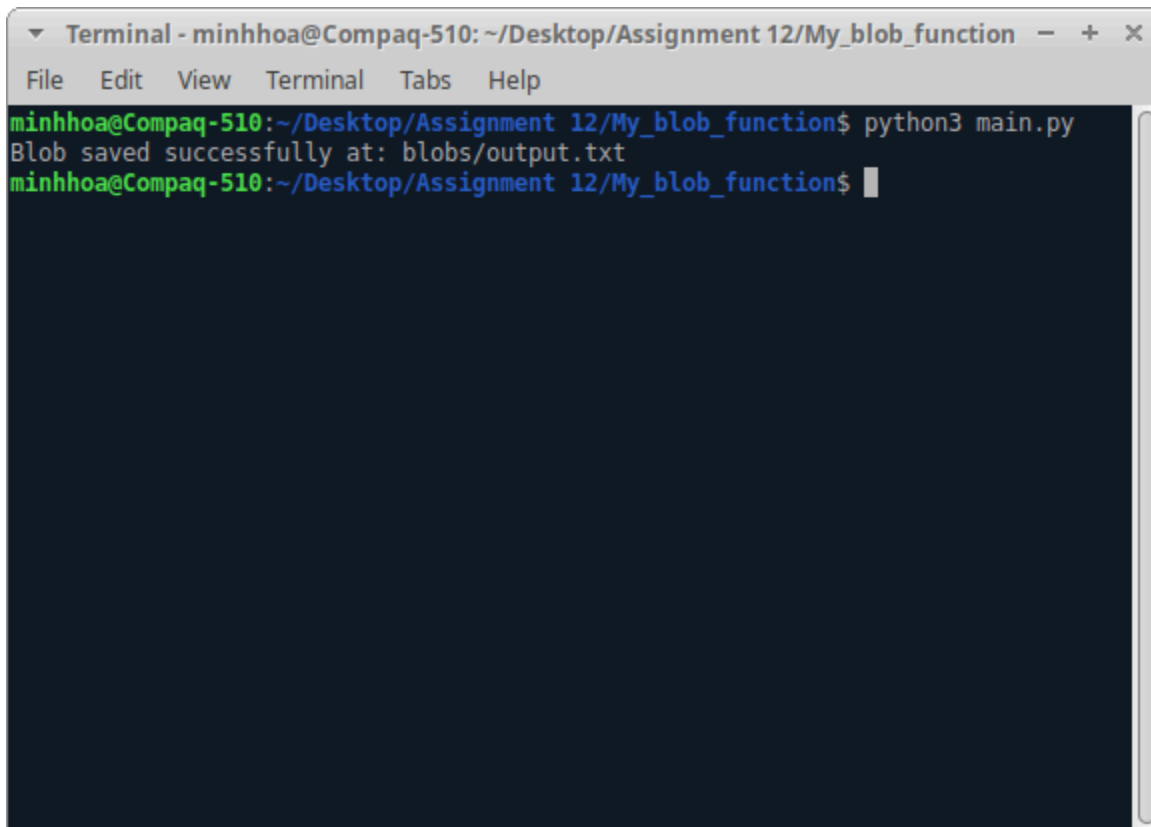
2. Run code

- Open the terminal and type command line: `python3 main.py`



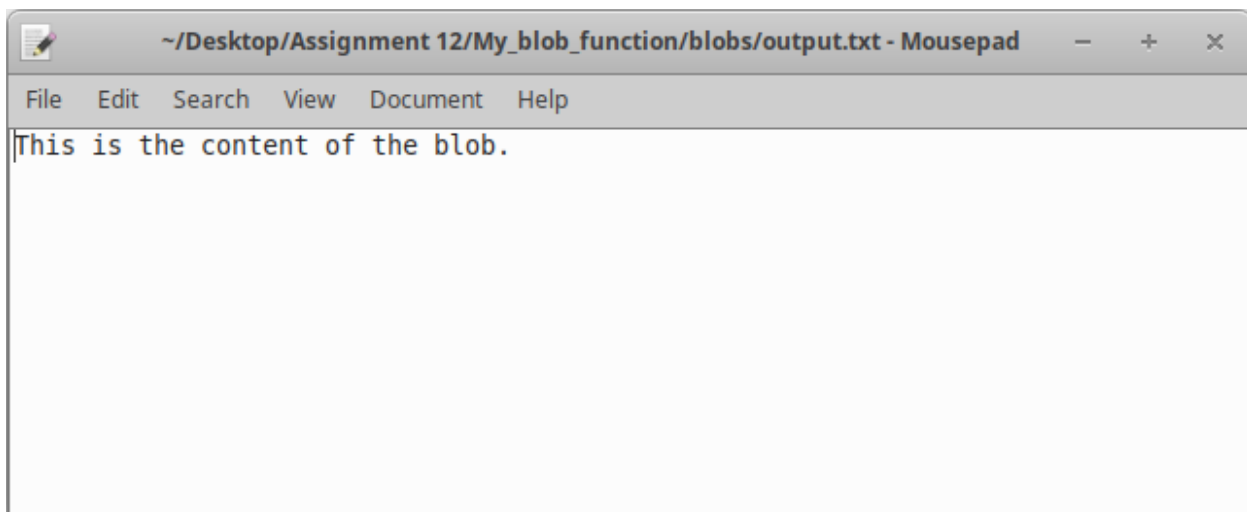
The screenshot shows a terminal window titled "Terminal - minhhoa@Compaq-510: ~/Desktop/Assignment 12/My_blob_function". The prompt is `minhhoa@Compaq-510:~/Desktop/Assignment 12/My_blob_function$` and the command `python3 main.py` has been entered.

- Then the terminal reports successful save, which means the code has been executed.



```
Terminal - minhhoa@Compaq-510: ~/Desktop/Assignment 12/My_blob_function - + x
File Edit View Terminal Tabs Help
minhhoa@Compaq-510:~/Desktop/Assignment 12/My_blob_function$ python3 main.py
Blob saved successfully at: blobs/output.txt
minhhoa@Compaq-510:~/Desktop/Assignment 12/My_blob_function$
```

- We can check the output.txt file to see.



```
~/Desktop/Assignment 12/My_blob_function/blobs/output.txt - Mousepad - + x
File Edit Search View Document Help
This is the content of the blob.
```

- In the output.txt file shows the content of the blob which means we have succeeded.

3. Conclusion

In this assignment, instead of using Azure Blob Storage due to account restrictions, I simulated the output binding functionality by using Python to write data to a local file. The main() function acts as an Azure Function, generating content and saving it as an output.txt file in the blobs/ directory, which is equivalent to "writing a blob to Azure Storage".