CLOUD COMPUTING METHODOLOGIES

LAB ASSESSMENT-3

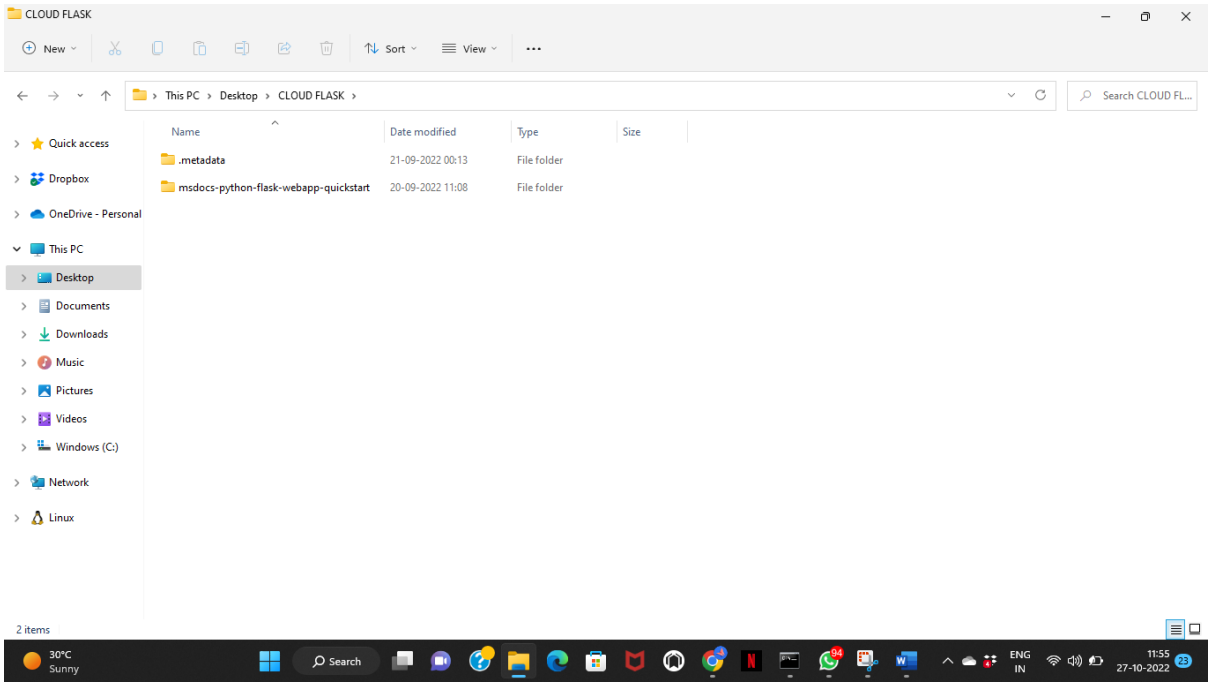
NAME:SINDUMANI.M

REGNO:19MIC0002

SLOT:L43+L44

1.CREATION OF FLASK WEBAPP LOCALLY(RUNNING THE APPLICATION ON OUR LAPTOP/DESKTOP)AS WELL AS USING AZURE WEB SERVER DEPLOYMENT

STEP1:CREATING FOLDER AND DIRECTING IN CMD



STEP 2:INSTALLING AND DOWNLOADING FLASK

COMMANDS: git clone https://github.com/Azure-Samples/msdocs-python-flask-webapp-quickstart

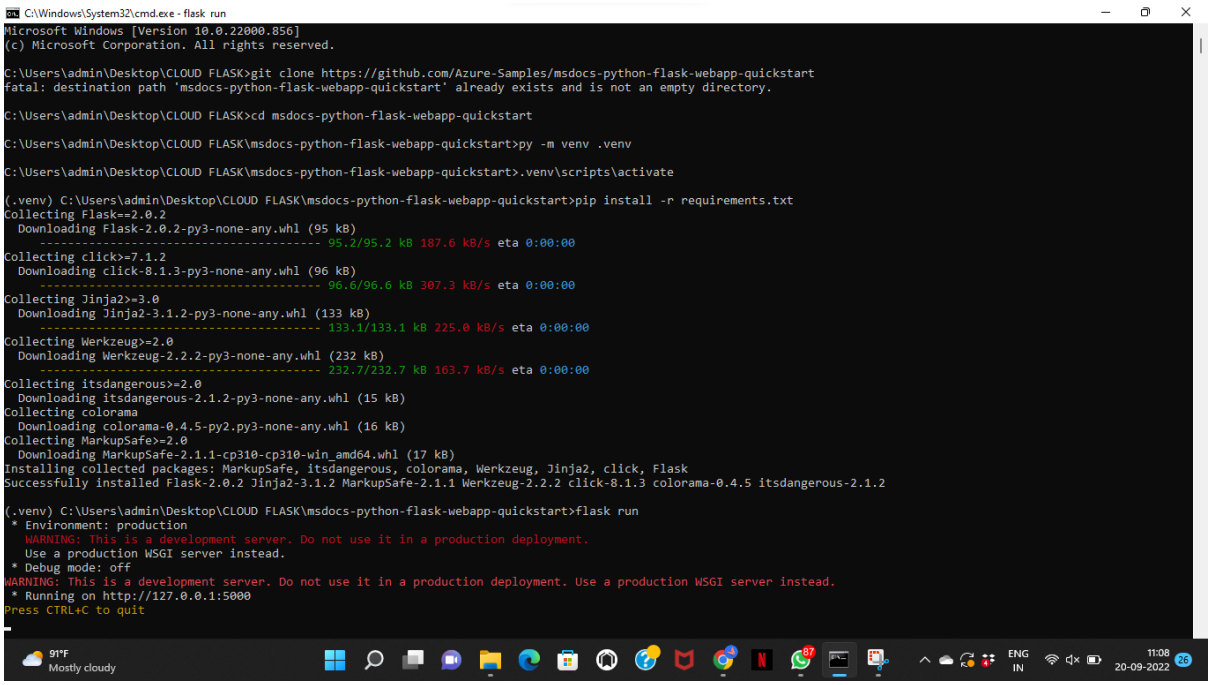
cd msdocs-python-flask-webapp-quickstart

py -m venv .venv

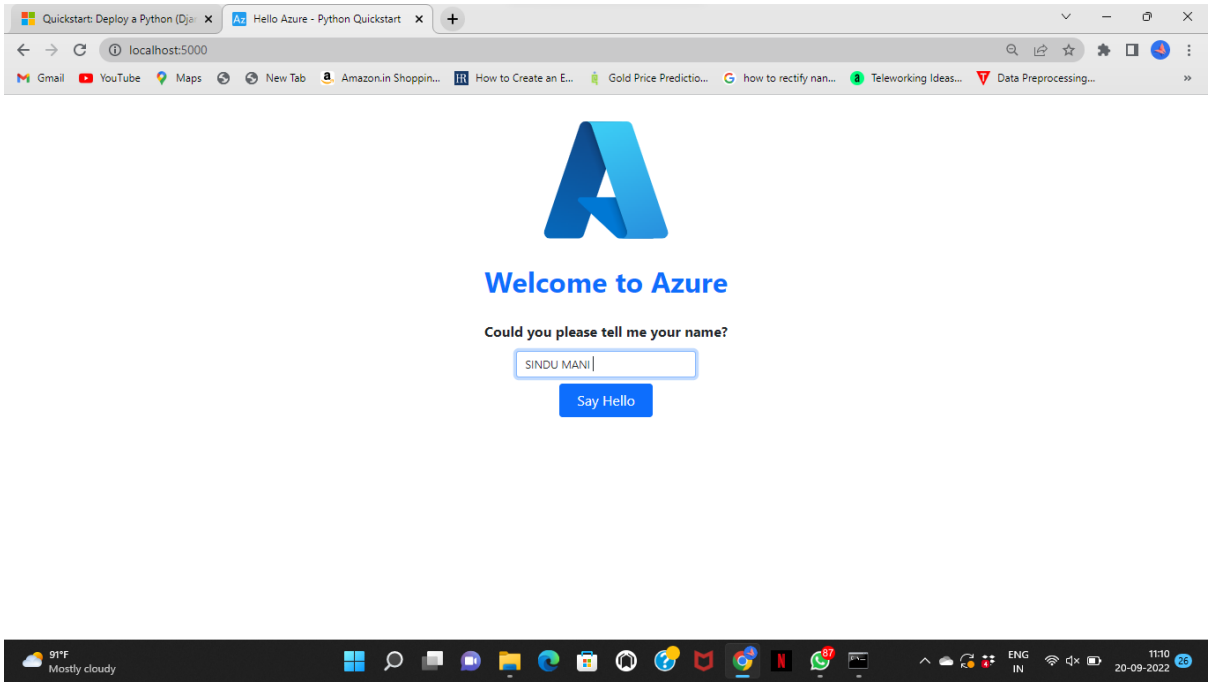
.venv\scripts\activate

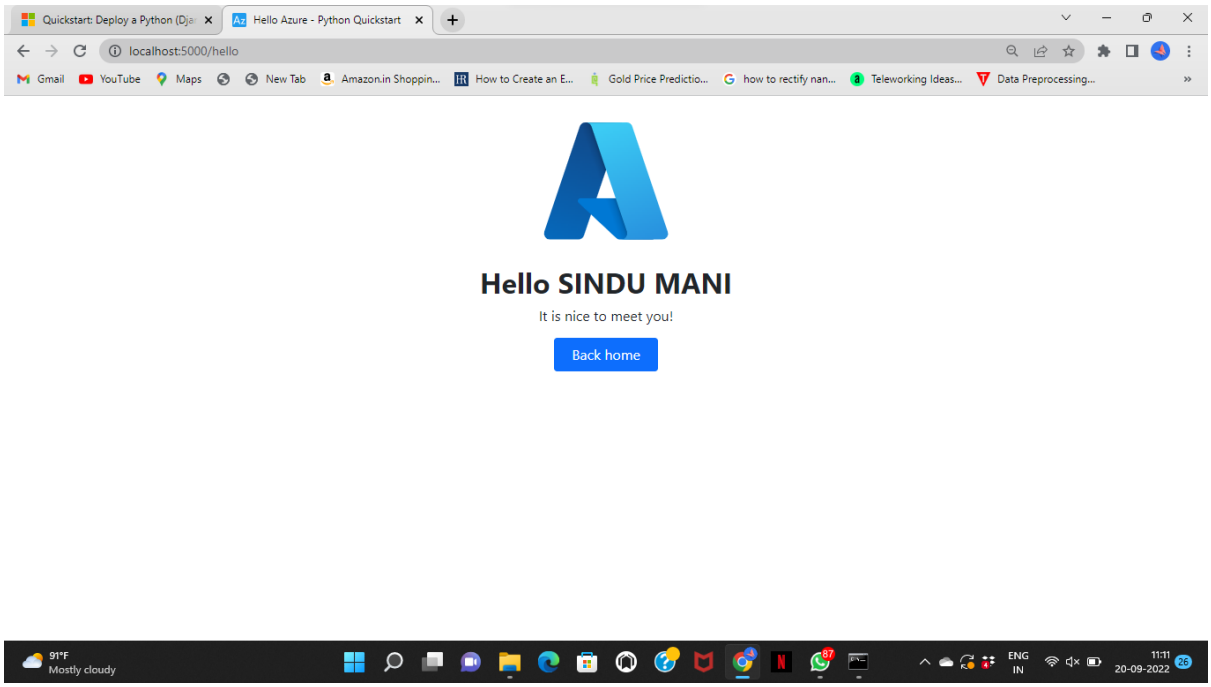
pip install -r requirements.txt

flask run

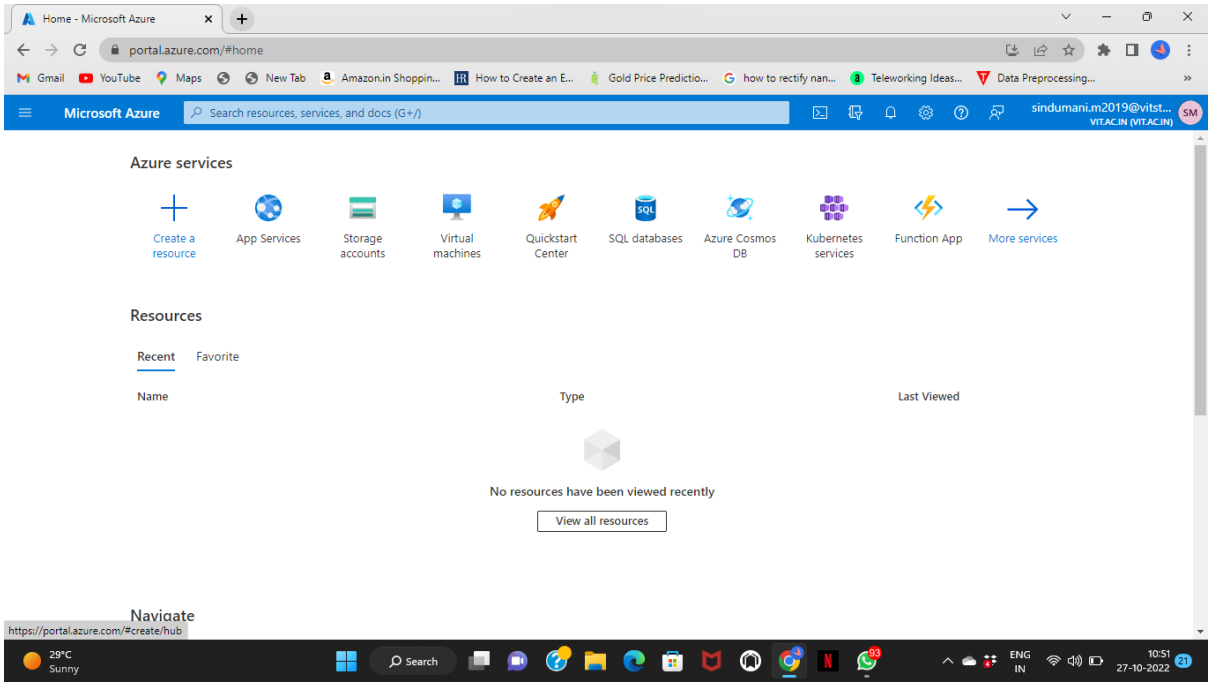


STEP 3:DEPLOYING IN LOCAL HOST:5000

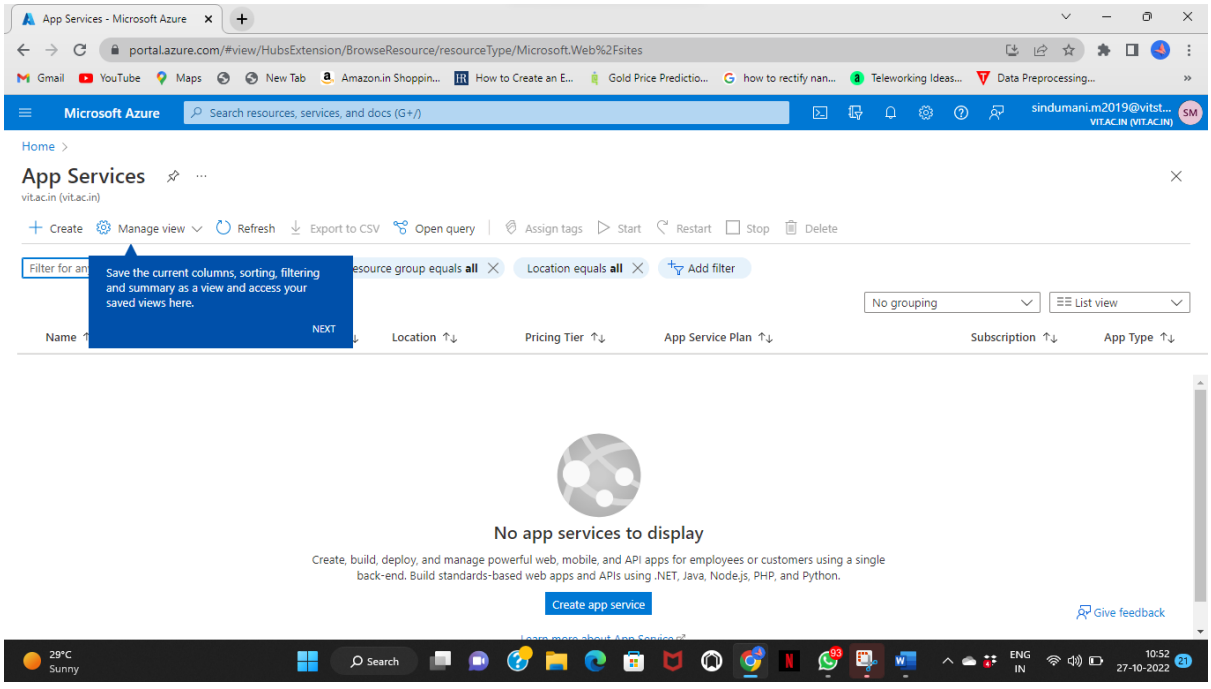




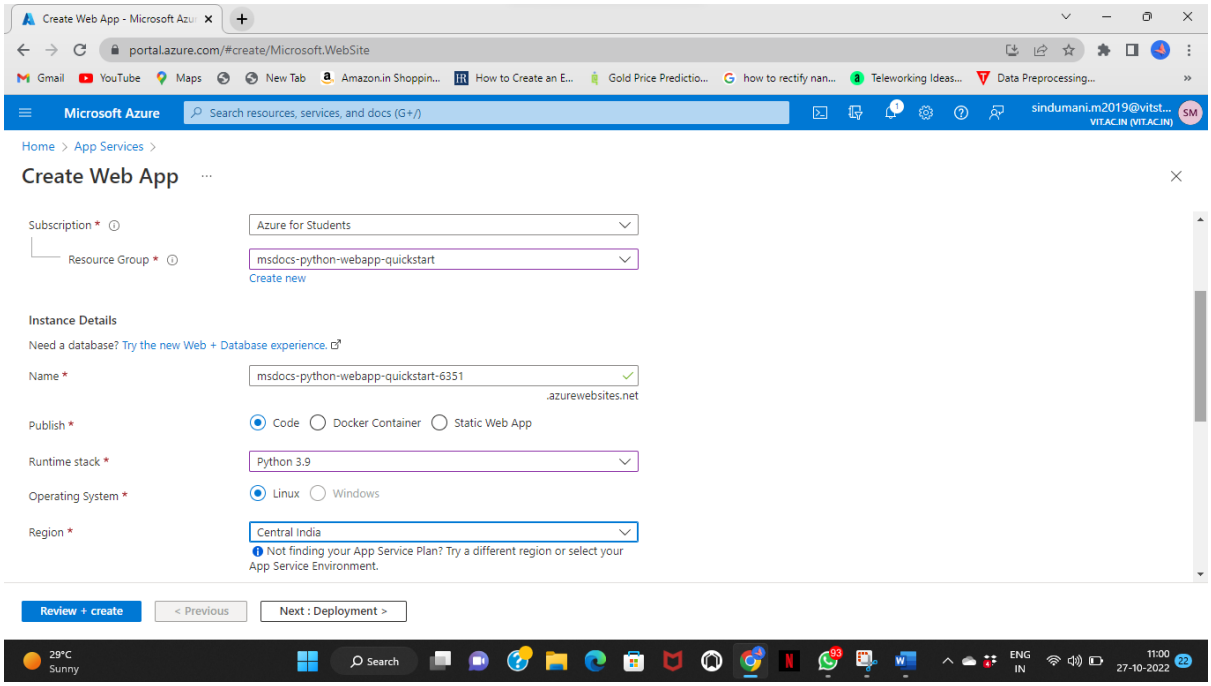
STEP 4:CREATING AN APP SERVICE IN AZURE PORTAL



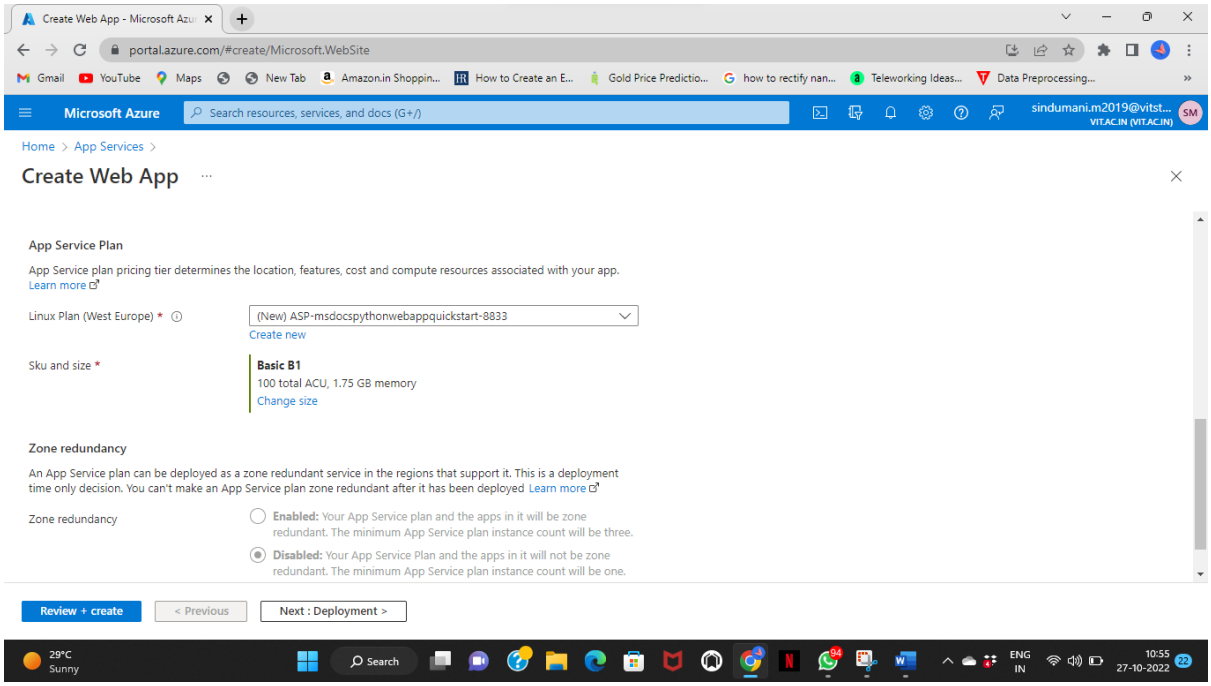
STEP 5:CLICKING CREATE TO CREATE THE APP SERVICE



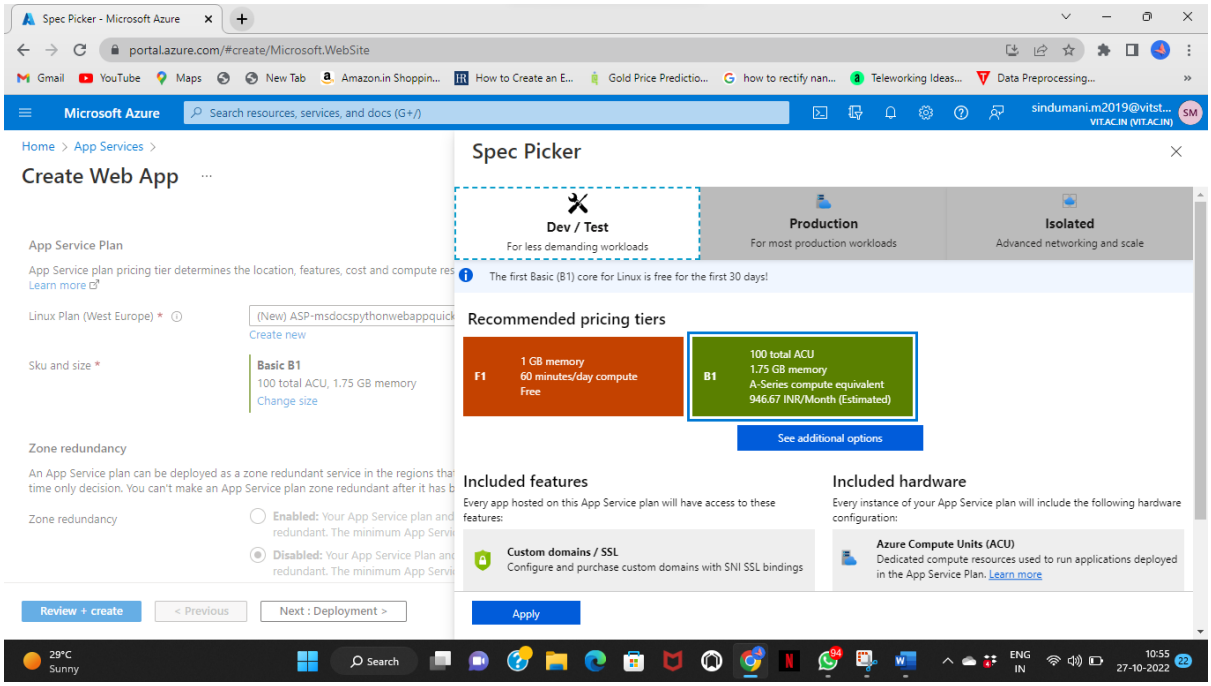
STEP 6:NAMING THE RESOURCE GROUP AND OTHER DETAILS



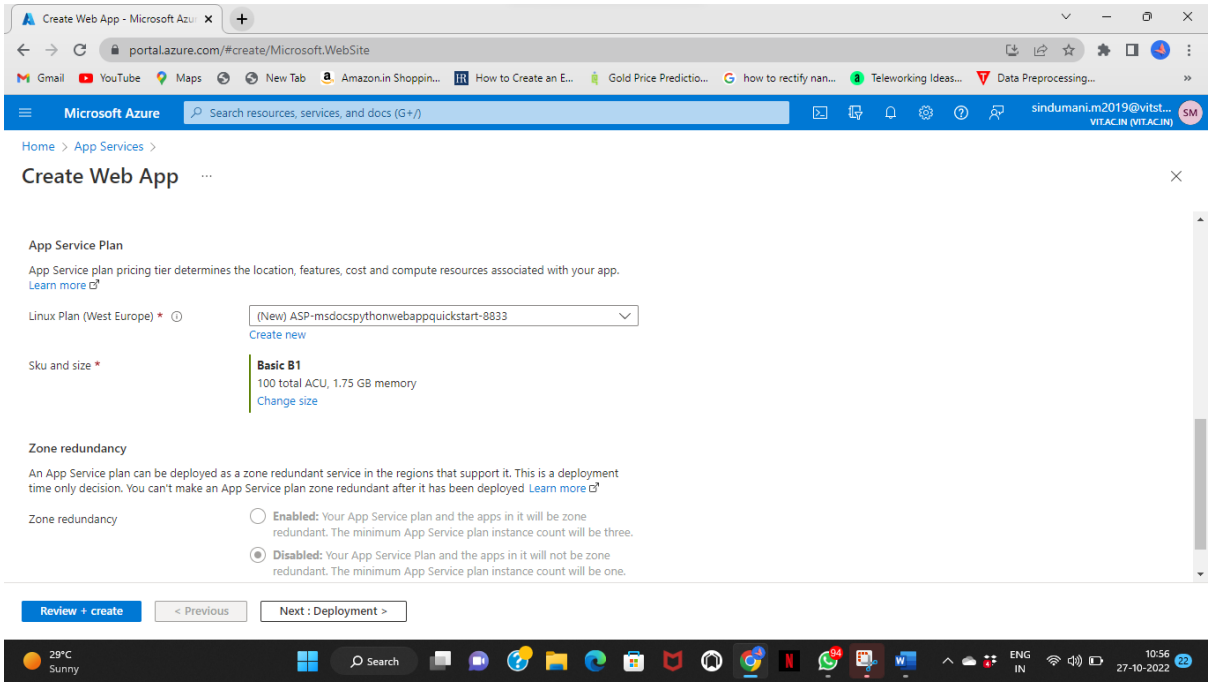
STEP 7:CHANGING THE SUE AND SIZE

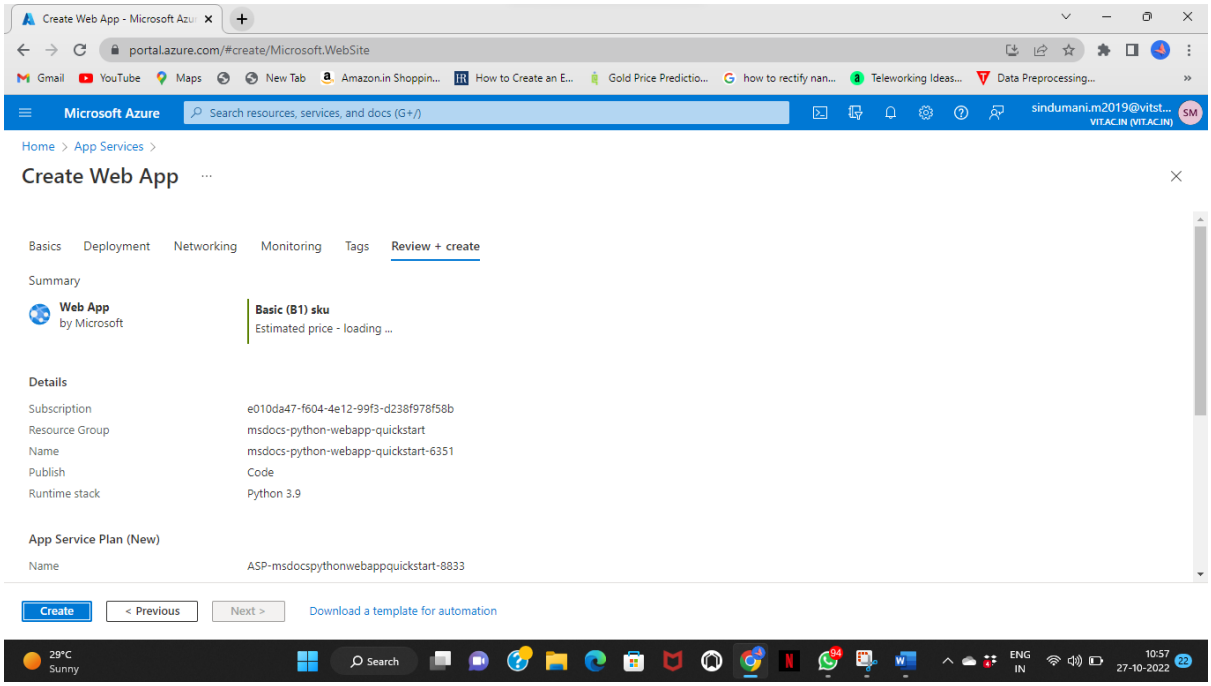


STEP 8:CHOOSING Dev/Test and Basic B1

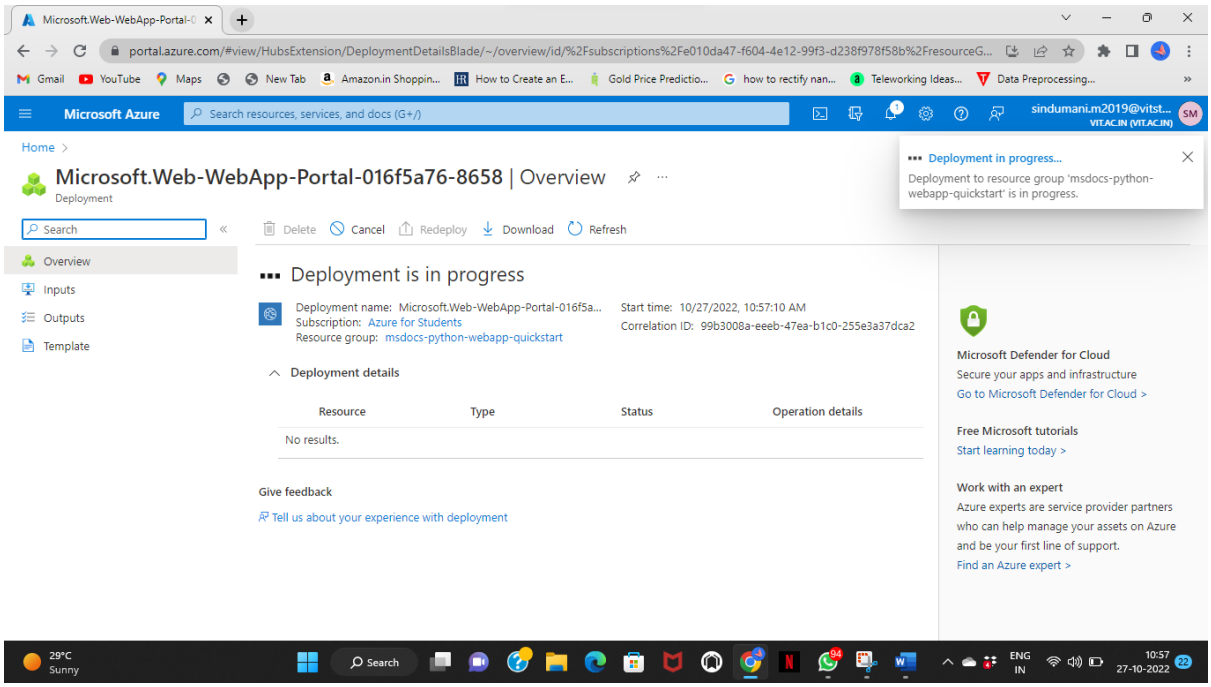


STEP 9:CREATING WEB APP

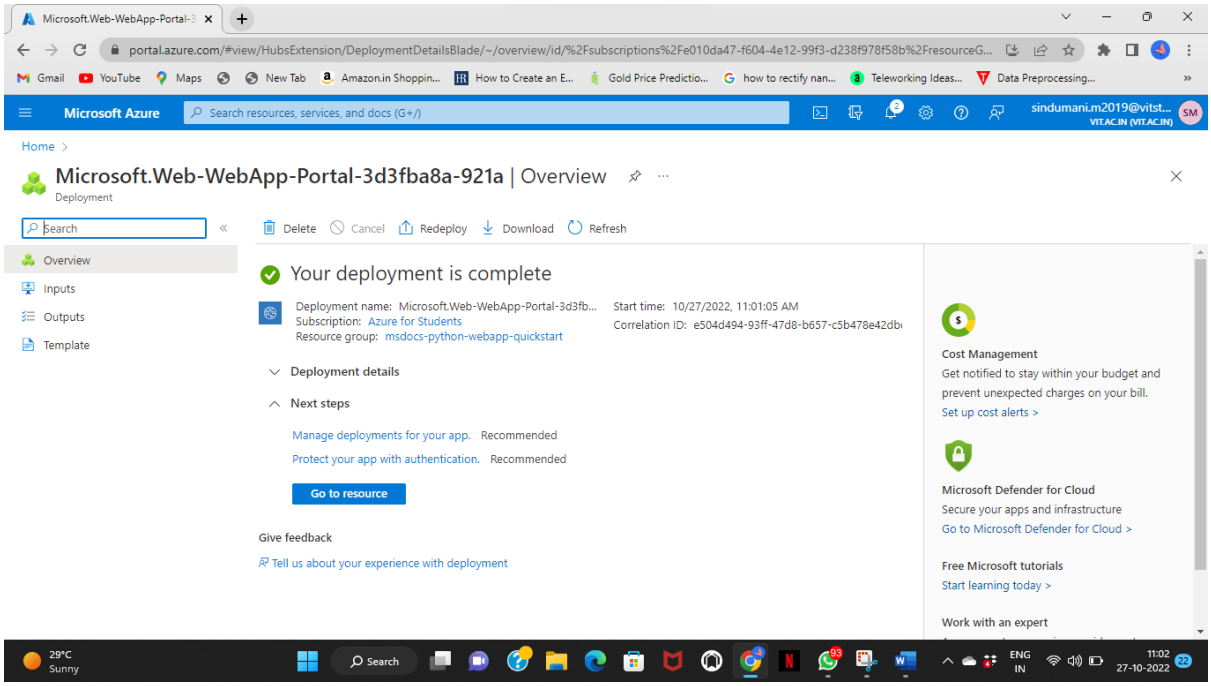




STEP 10:DEPLOYMENT IN PROGRESS

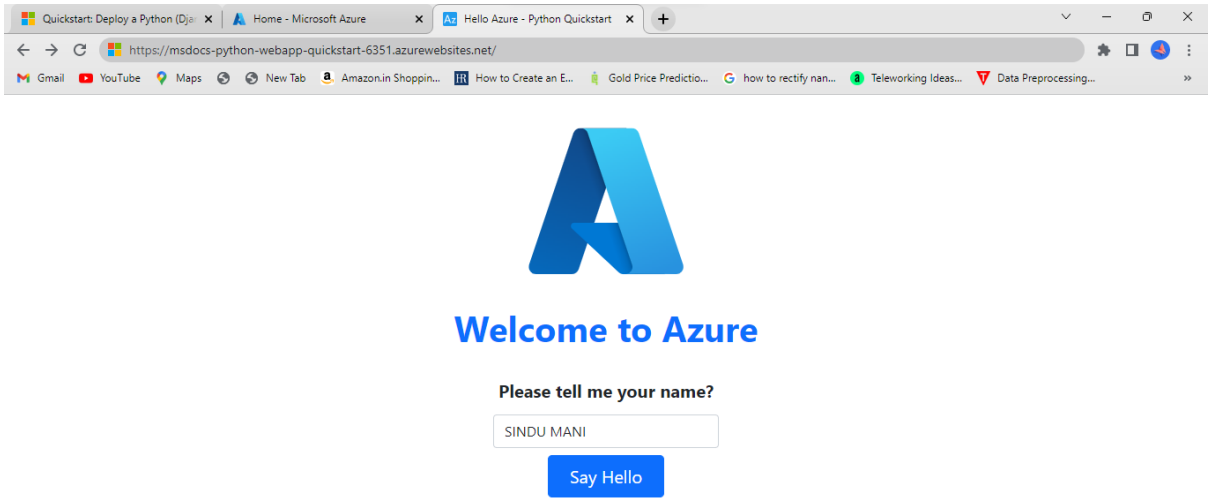


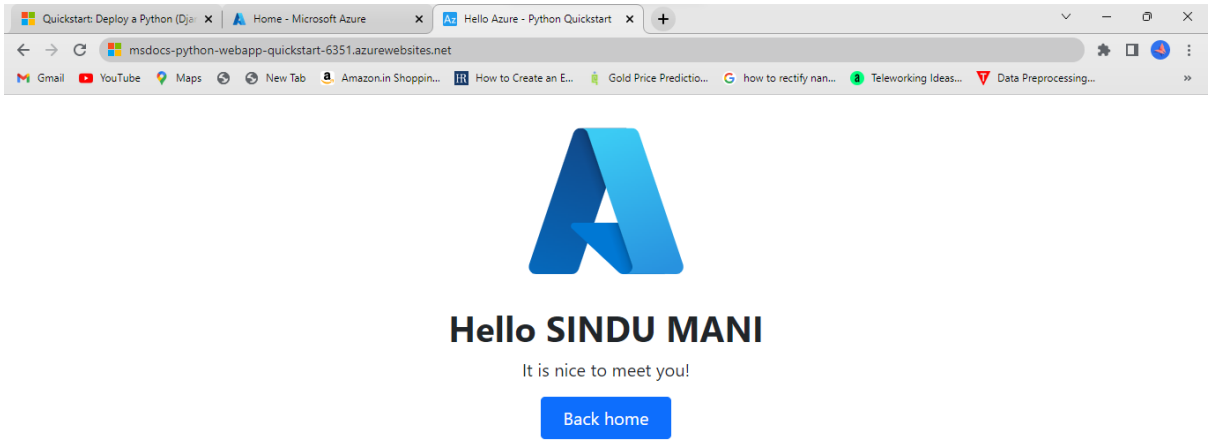
STEP 11:DEPLOYMENT COMPLETED



STEP 12:BROWSING TO THE APP WITH URL: http://<app-name>.azurewebsites.net

APP NAME:msdocs-python-webapp-quickstart-6351



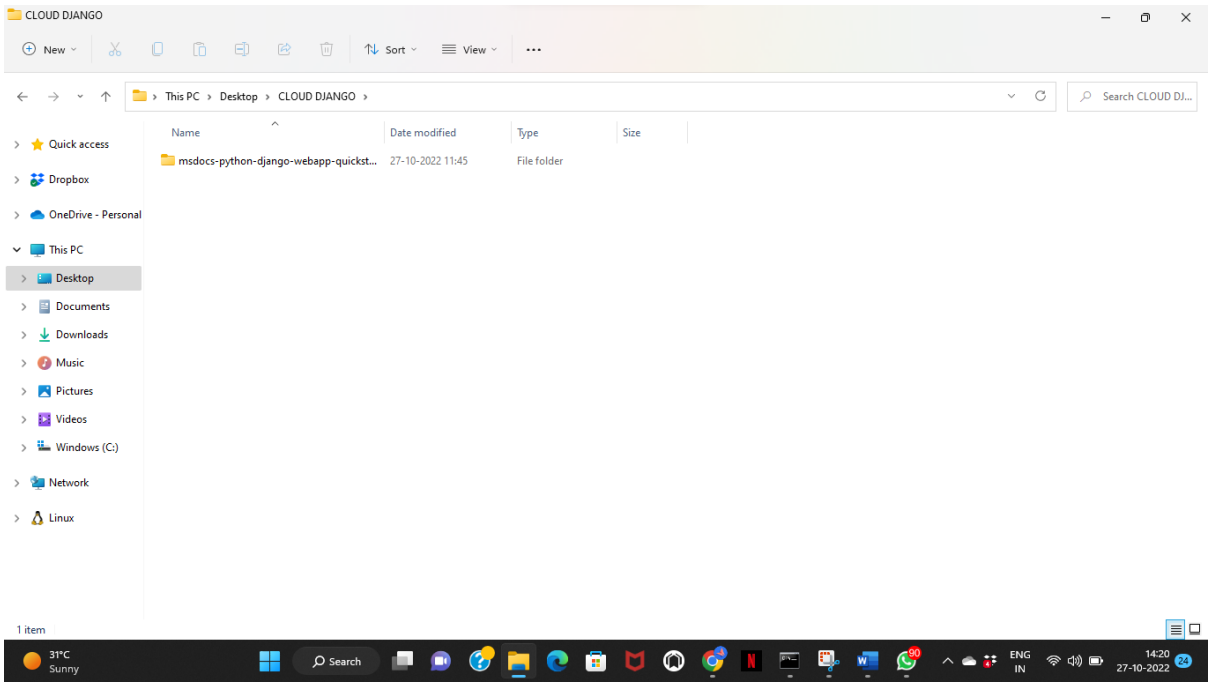


STEP 13:VIEWING IN CMD:

```
Request for index page received
[27/Oct/2022 14:25:23] "GET / HTTP/1.1" 200 1583
Request for hello page received with name=SINDU MANI
[27/Oct/2022 14:30:04] "POST /hello HTTP/1.1" 200 800
Request for index page received
[27/Oct/2022 14:32:01] "GET / HTTP/1.1" 200 1583
Request for hello page received with name=SINDU MANI
[27/Oct/2022 14:32:08] "POST /hello HTTP/1.1" 200 800
```

2.CREATION OF DJANGO WEB APP LOCALLY(RUNNING THE APPLICATION ON YOUR LAPTOP/DESKTOP)AS WELL AS USING AZURE WEB SERVER DEPLOYMENT

STEP1:CREATING FOLDER AND DIRECTING IN CMD



STEP 2:INSTALLING AND DOWNLOADING DJANGO

COMMANDS: git clone https://github.com/Azure-Samples/msdocs-python-django-webapp-quickstart

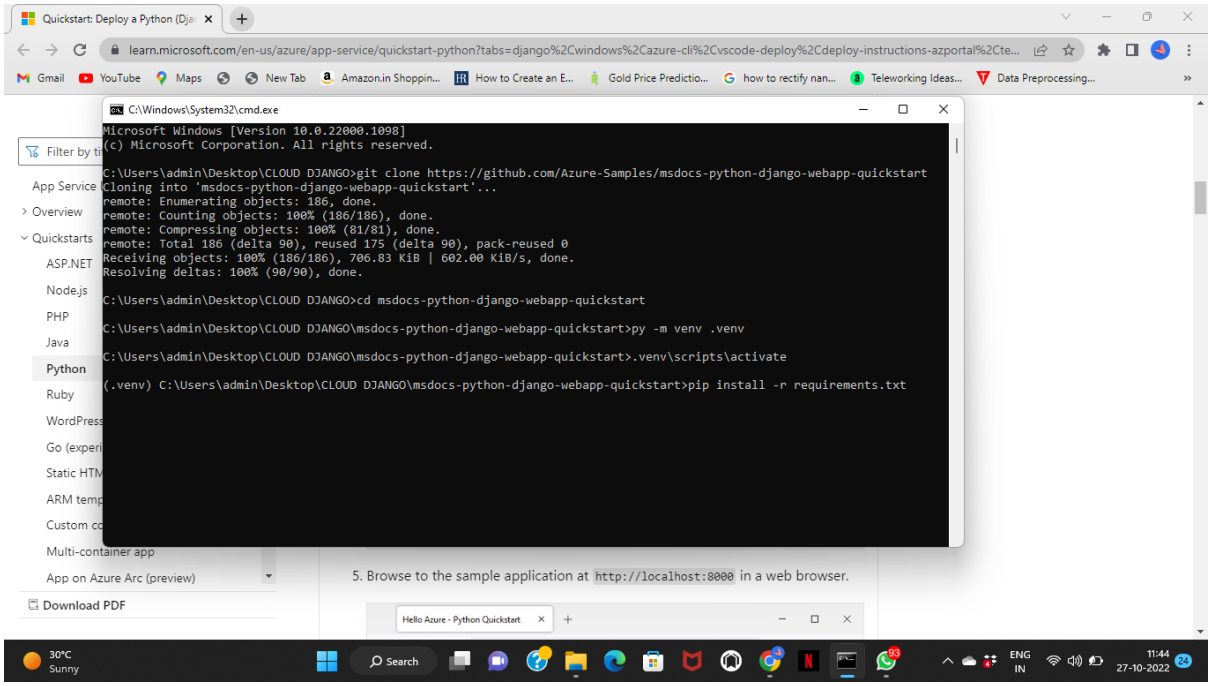
cd msdocs-python-django-webapp-quickstart

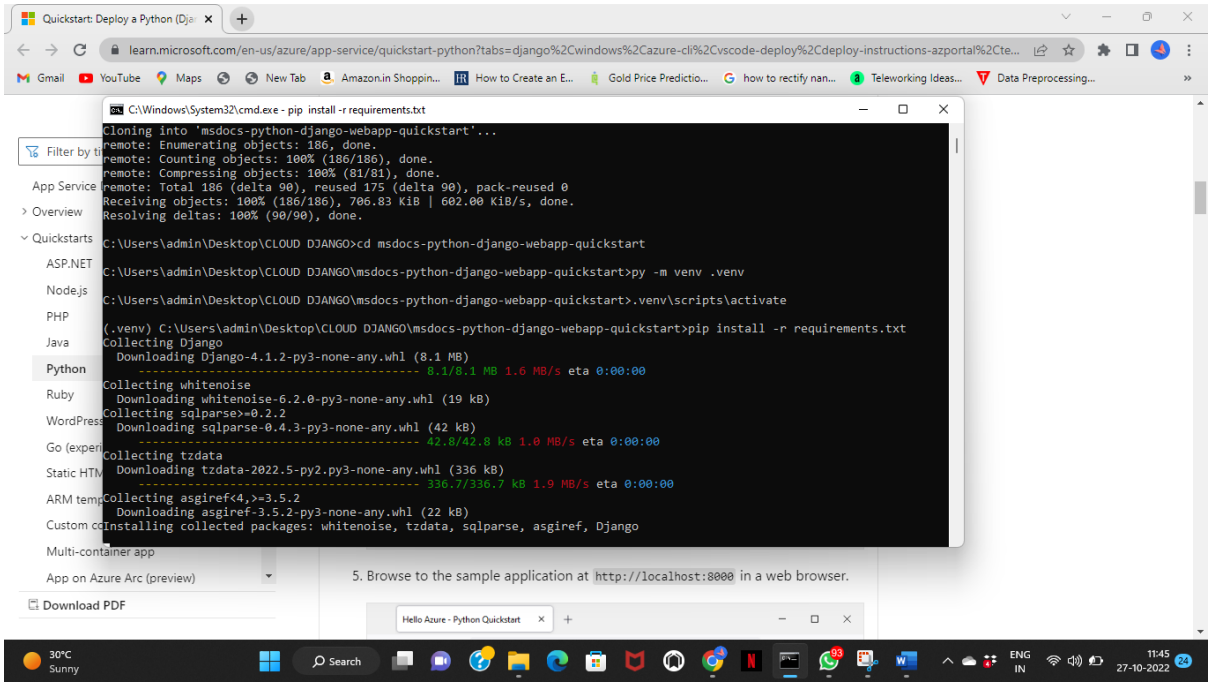
py -m venv .venv

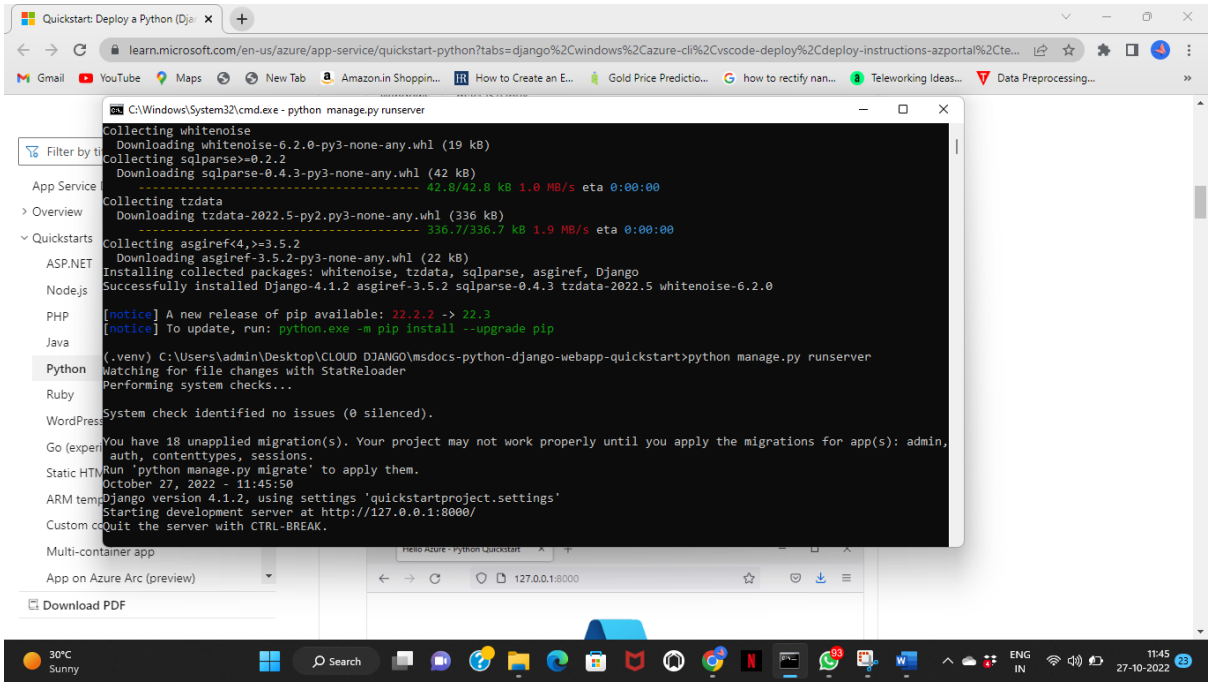
.venv\scripts\activate

pip install -r requirements.txt

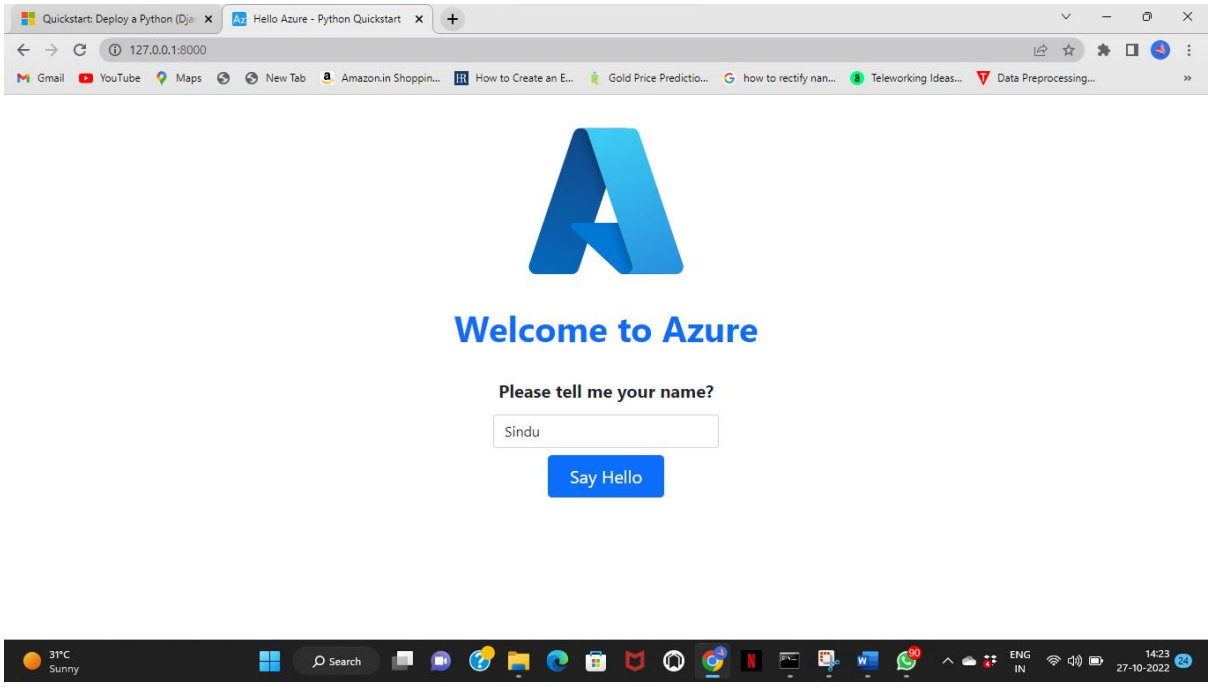
python manage.py runserver

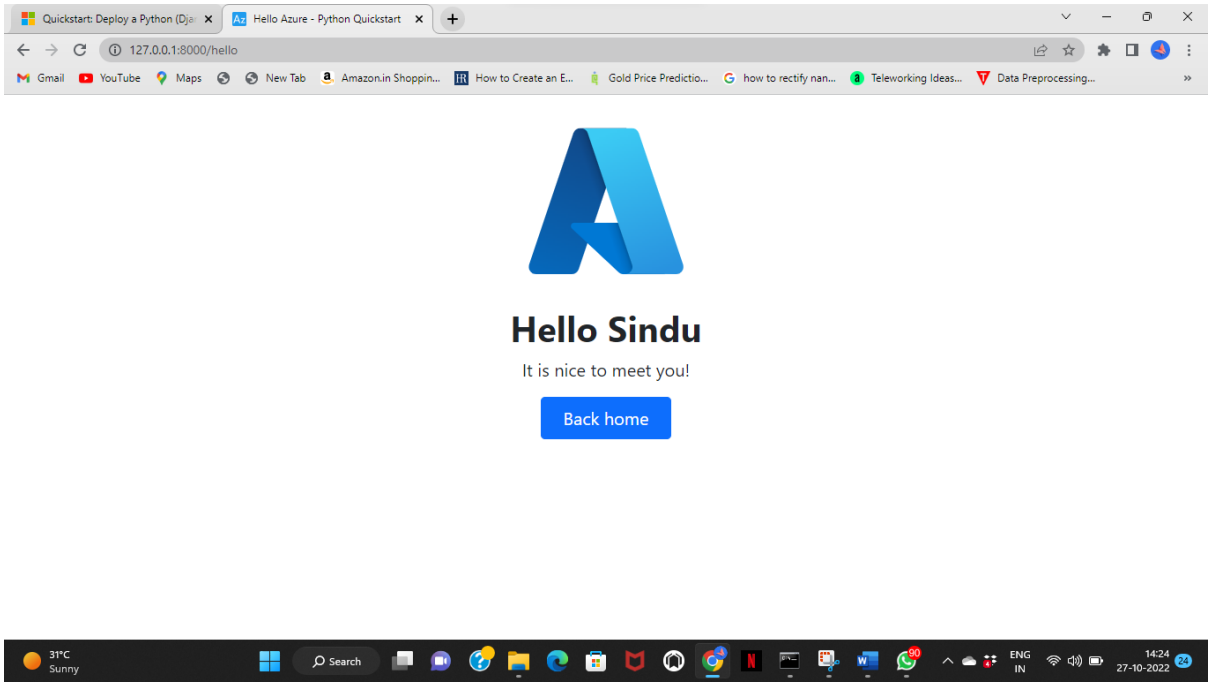

Quickstart: Deploy a Python (Dja
learn.microsoft.com/en-us/azure/app-service/quickstart-python?tabs=django%2Cwindows%2Cazure-cli%2Cvscode-deploy%2Cdeploy-instructions-azportal%2Cte...
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.22000.1098]
(c) Microsoft Corporation. All rights reserved.
C:\Users\admin\Desktop\CLOUD DJANGO>git clone https://github.com/Azure-Samples/msdocs-python-django-webapp-quickstart
Cloning into 'msdocs-python-django-webapp-quickstart'...
remote: Enumerating objects: 186, done.
remote: Counting objects: 100% (186/186), done.
remote: Compressing objects: 100% (81/81), done.
remote: Total 186 (delta 90), reused 175 (delta 90), pack-reused 0
Receiving objects: 100% (186/186), 706.83 KiB | 602.00 KiB/s, done.
Resolving deltas: 100% (90/90), done.
C:\Users\admin\Desktop\CLOUD DJANGO>cd msdocs-python-django-webapp-quickstart
C:\Users\admin\Desktop\CLOUD DJANGO\msdocs-python-django-webapp-quickstart>py -m venv .venv
C:\Users\admin\Desktop\CLOUD DJANGO\msdocs-python-django-webapp-quickstart>.venv\scripts\activate
(.venv) C:\Users\admin\Desktop\CLOUD DJANGO\msdocs-python-django-webapp-quickstart>pip install -r requirements.txt
App Service
Overview
Quickstarts
ASP.NET
Node.js
PHP
Java
Python
Ruby
WordPress
Go (experi
Static HTM
ARM temp
Custom co
Multi-container app
App on Azure Arc (preview)
Download PDF
5. Browse to the sample application at http://localhost:8000 in a web browser.
Hello Azure - Python Quickstart
30°C
Sunny
Search
ENG
IN
11:44
27-10-2022


Quickstart: Deploy a Python (Dja
learn.microsoft.com/en-us/azure/app-service/quickstart-python?tabs=django%2Cwindows%2Cazure-cli%2Cvscode-deploy%2Cdeploy-instructions-azportal%2Cte...
C:\Windows\System32\cmd.exe - pip install -r requirements.txt
Cloning into 'msdocs-python-django-webapp-quickstart'...
remote: Enumerating objects: 186, done.
remote: Counting objects: 100% (186/186), done.
remote: Compressing objects: 100% (81/81), done.
remote: Total 186 (delta 90), reused 175 (delta 90), pack-reused 0
Receiving objects: 100% (186/186), 706.83 KiB | 602.00 KiB/s, done.
Resolving deltas: 100% (90/90), done.
C:\Users\admin\Desktop\CLOUD DJANGO>cd msdocs-python-django-webapp-quickstart
C:\Users\admin\Desktop\CLOUD DJANGO\msdocs-python-django-webapp-quickstart>py -m venv .venv
C:\Users\admin\Desktop\CLOUD DJANGO\msdocs-python-django-webapp-quickstart>.venv\scripts\activate
(.venv) C:\Users\admin\Desktop\CLOUD DJANGO\msdocs-python-django-webapp-quickstart>pip install -r requirements.txt
Collecting Django
Downloading Django-4.1.2-py3-none-any.whl (8.1 MB)
8.1/8.1 MB 1.6 MB/s eta 0:00:00
Collecting whitenoise
Downloading whitenoise-6.2.0-py3-none-any.whl (19 kB)
Collecting sqlparse>=0.2.2
Downloading sqlparse-0.4.3-py3-none-any.whl (42 kB)
42.8/42.8 kB 1.0 MB/s eta 0:00:00
Collecting tzdata
Downloading tzdata-2022.5-py2.py3-none-any.whl (336 kB)
336.7/336.7 kB 1.9 MB/s eta 0:00:00
Collecting asgiref<4,>=3.5.2
Downloading asgiref-3.5.2-py3-none-any.whl (22 kB)
Installing collected packages: whitenoise, tzdata, sqlparse, asgiref, Django
App Service
Overview
Quickstarts
ASP.NET
Node.js
PHP
Java
Python
Ruby
WordPress
Go (experi
Static HTM
ARM temp
Custom co
Multi-container app
App on Azure Arc (preview)
Download PDF
5. Browse to the sample application at http://localhost:8000 in a web browser.
Hello Azure - Python Quickstart
30°C
Sunny
Search
ENG
IN
11:45
27-10-2022

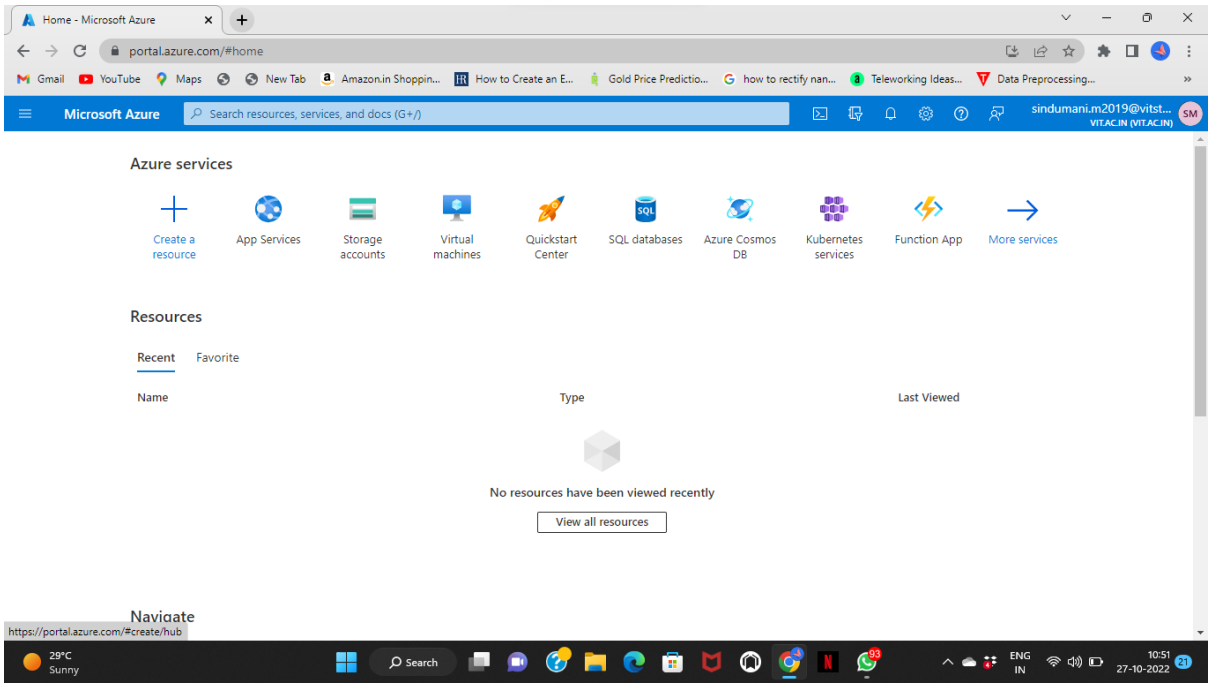


STEP 3:DEPLOYING IN LOCAL HOST:8000

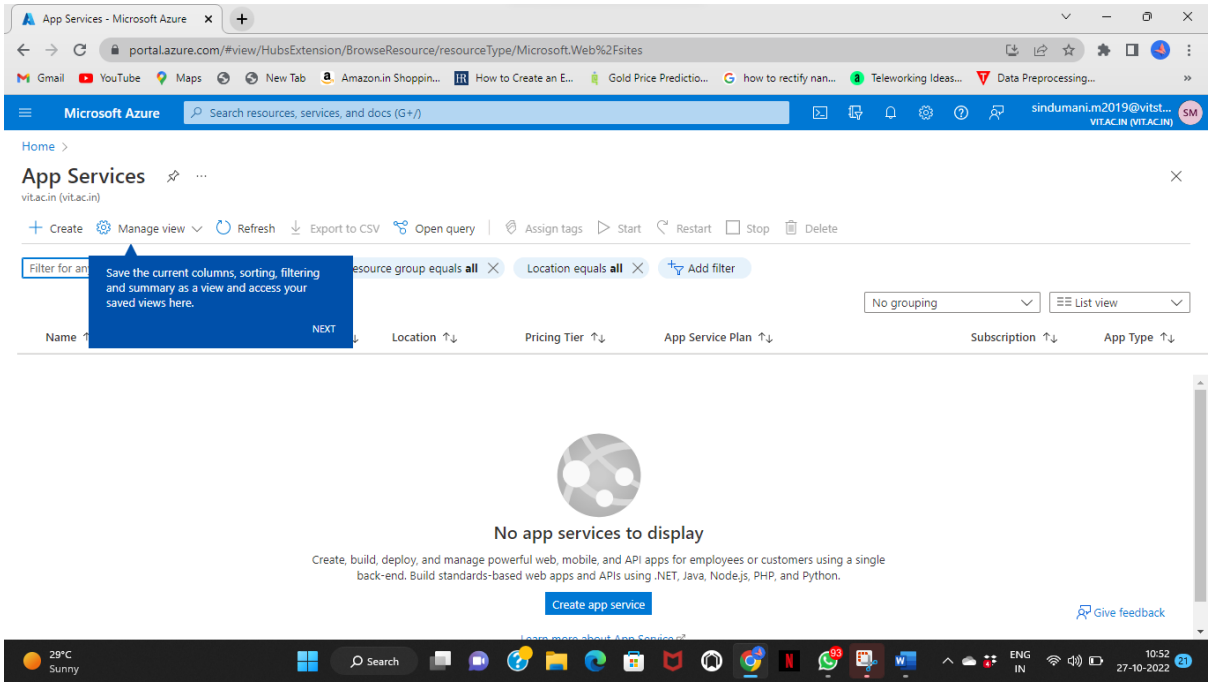




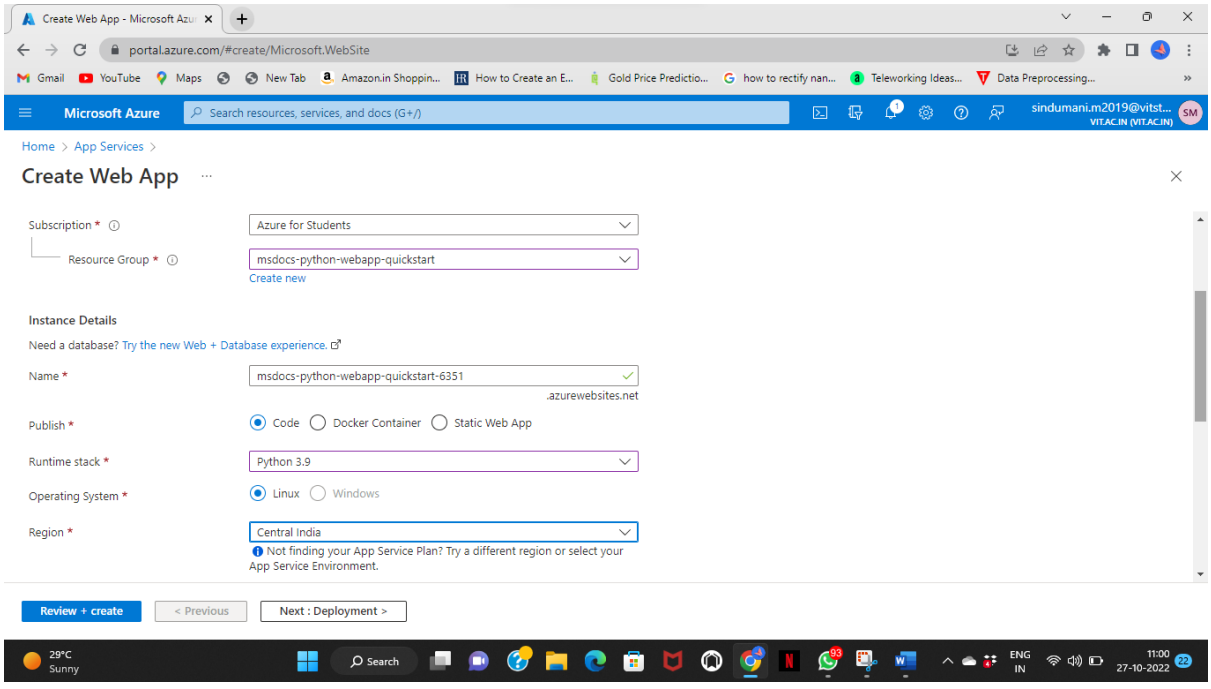
STEP 4:CREATING AN APP SERVICE IN AZURE PORTAL



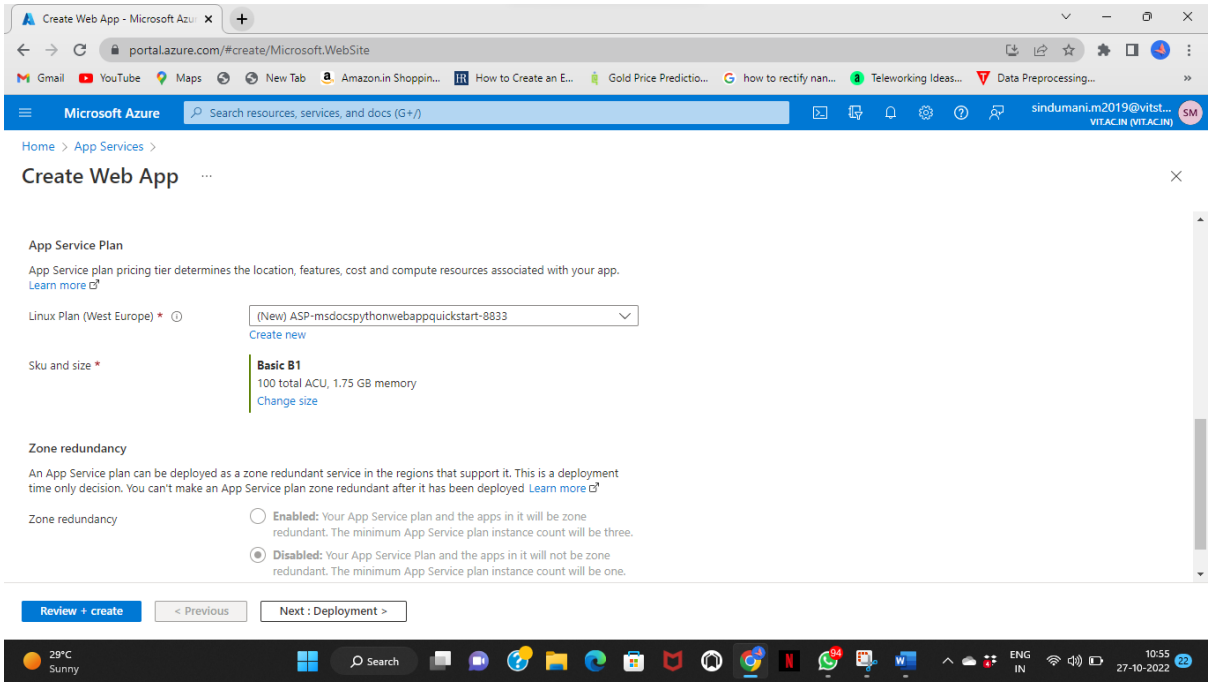
STEP 5:CLICKING CREATE TO CREATE THE APP SERVICE



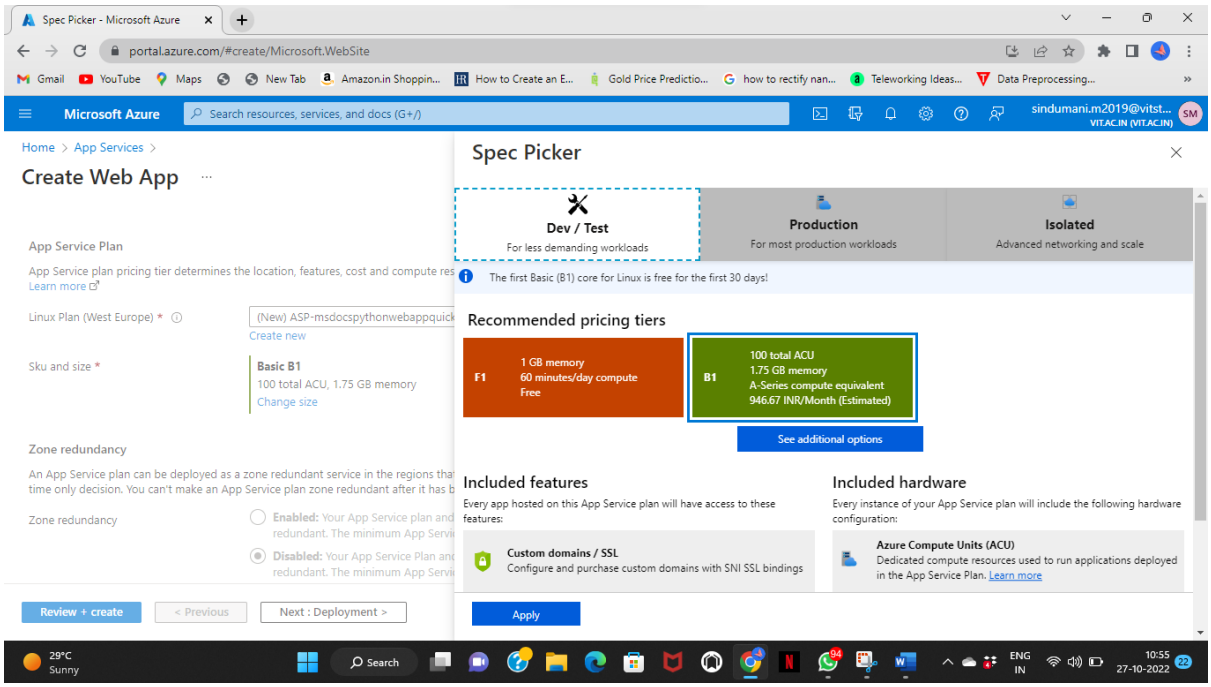
STEP 6:NAMING THE RESOURCE GROUP AND OTHER DETAILS



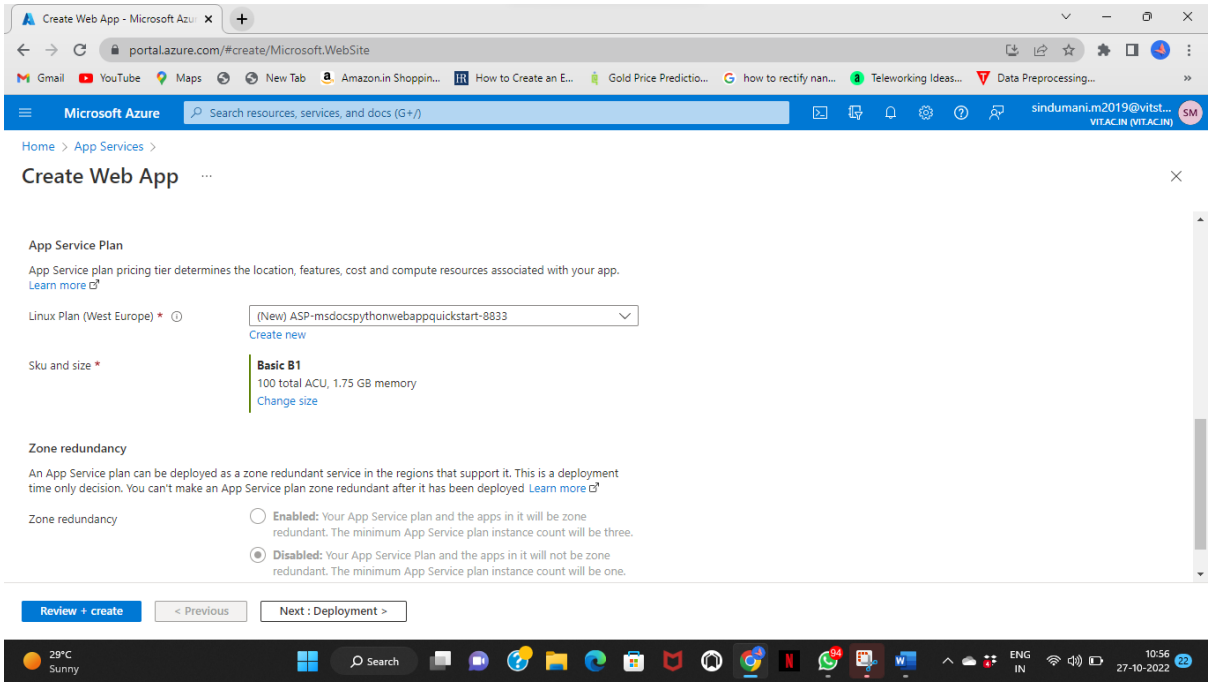
STEP 7:CHANGING THE SUE AND SIZE

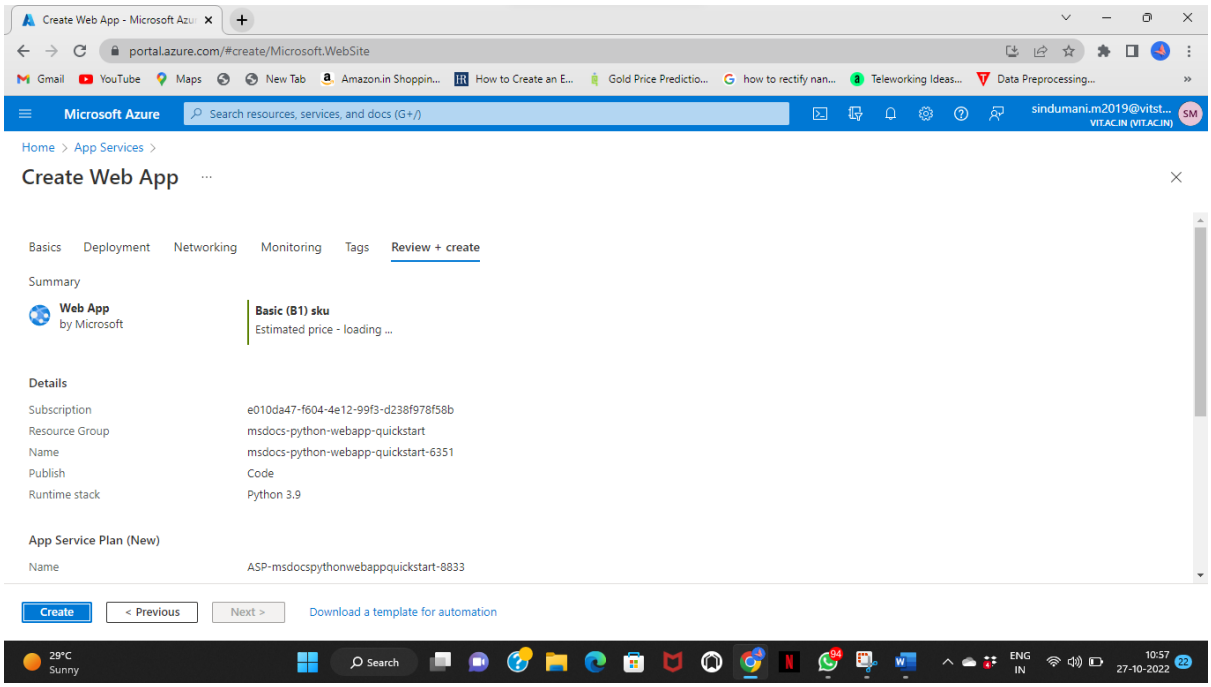


STEP 8:CHOOSING Dev/Test and Basic B1

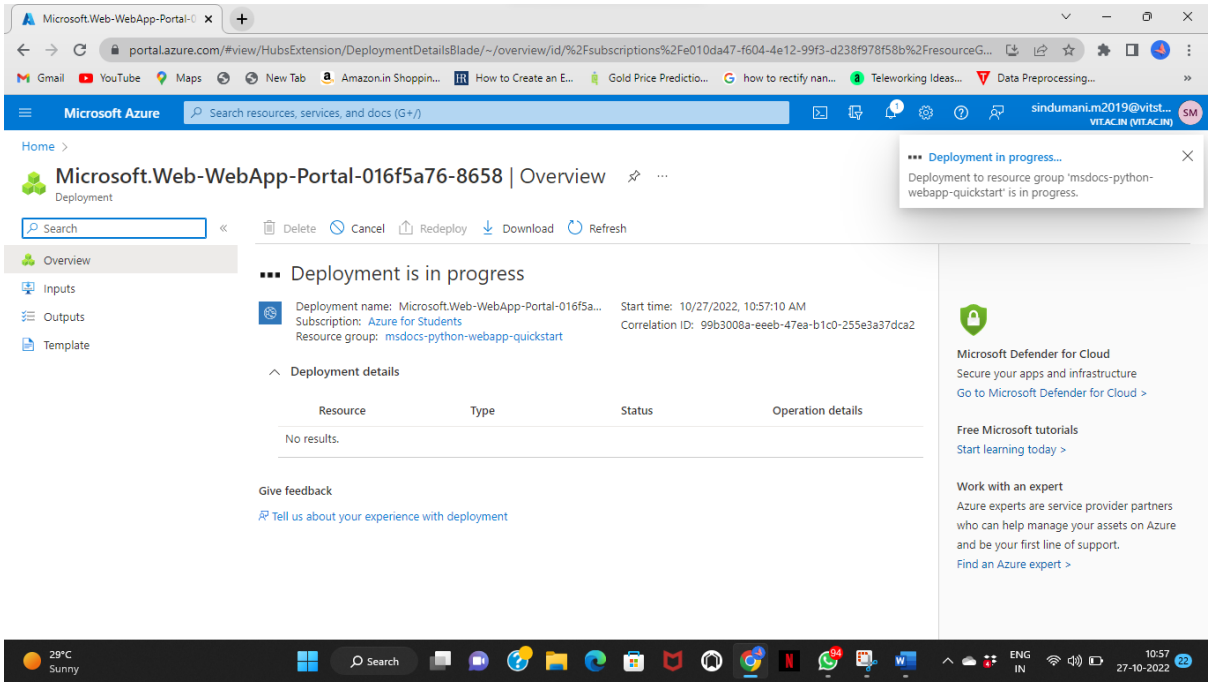


STEP 9:CREATING WEB APP

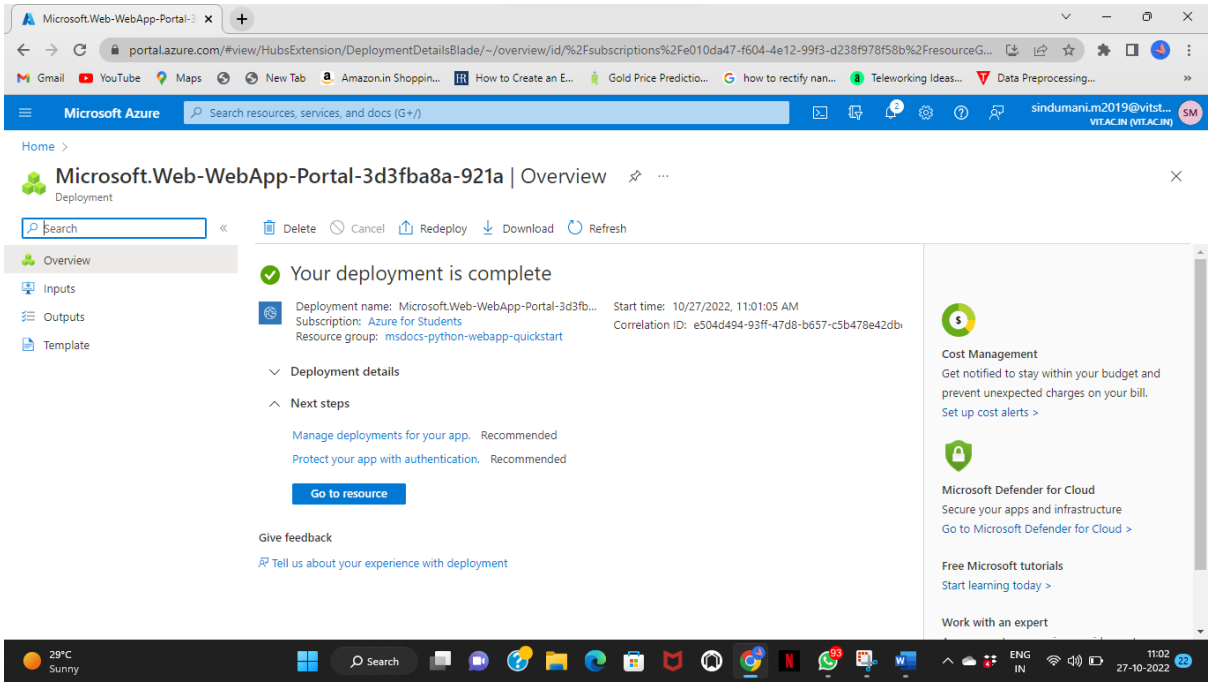




STEP 10:DEPLOYMENT IN PROGRESS

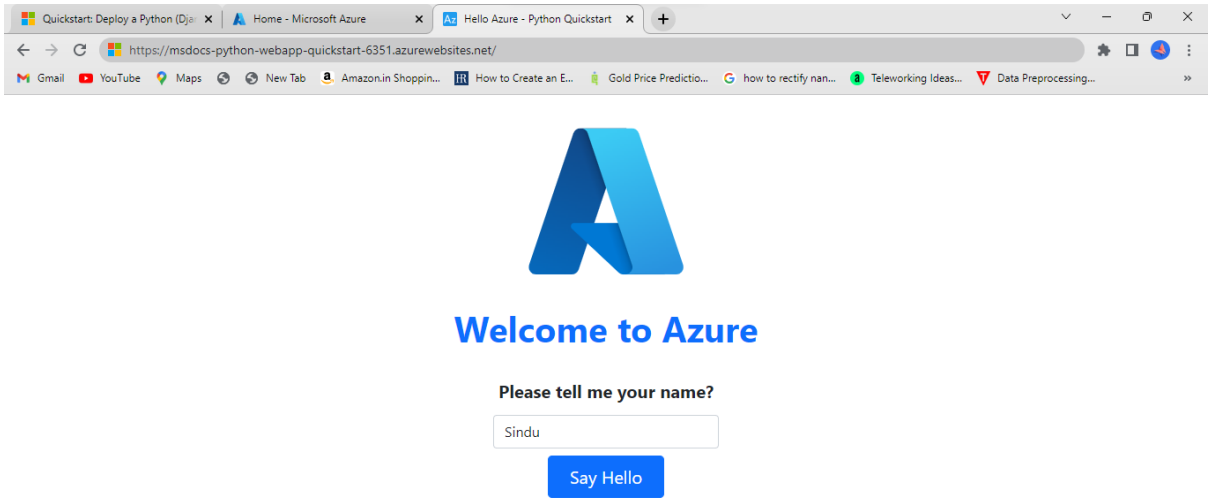


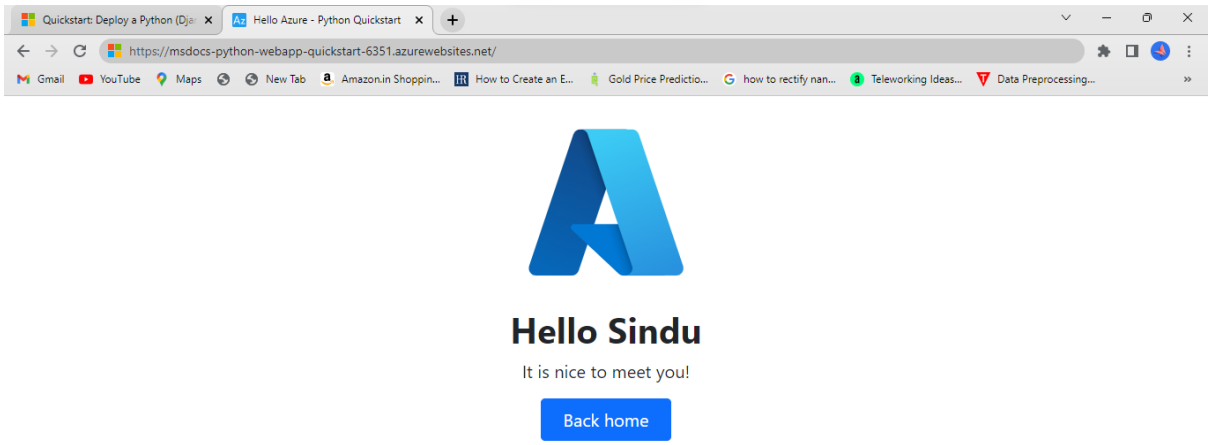
STEP 11:DEPLOYMENT COMPLETED



STEP 12:BROWSING TO THE APP WITH URL: http://<app-name>.azurewebsites.net

APP NAME:msdocs-python-webapp-quickstart-6351





STEP 13:VIEWING IN CMD

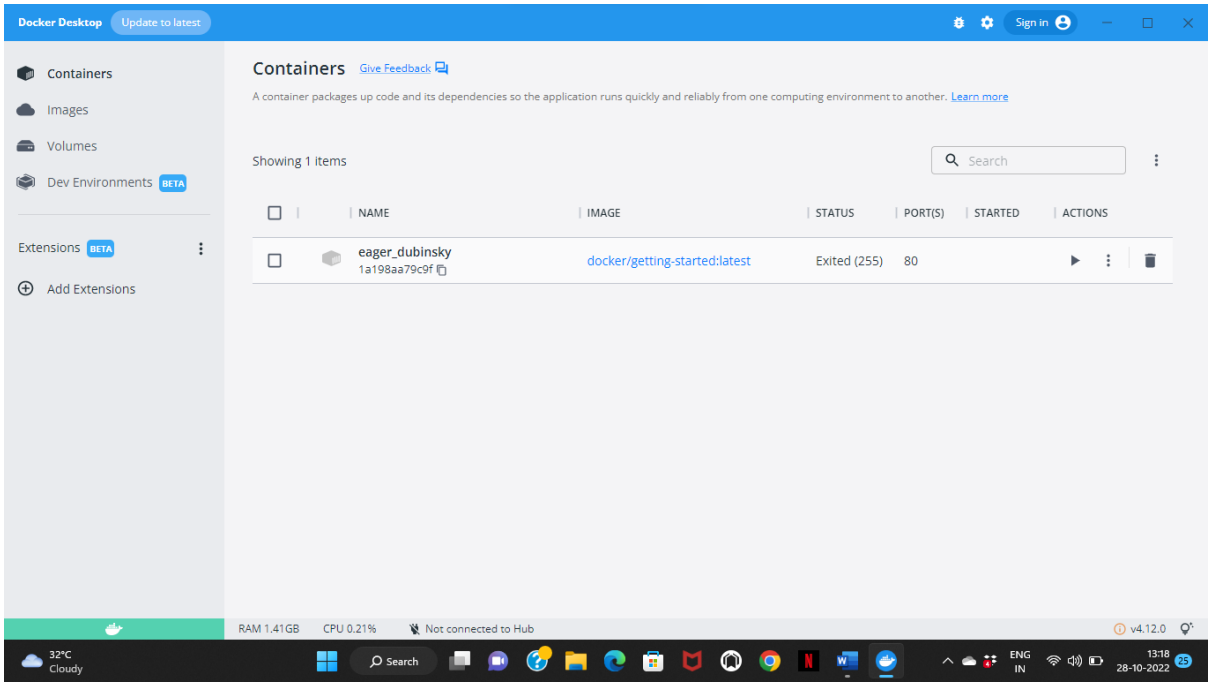
```
Request for index page received
[27/Oct/2022 11:46:16] "GET / HTTP/1.1" 200 1583
[27/Oct/2022 11:46:16] "GET /static/images/azure-icon.svg HTTP/1.1" 200 2268
[27/Oct/2022 11:46:16] "GET /static/bootstrap/css/bootstrap.min.css HTTP/1.1" 200 163879
[27/Oct/2022 11:46:16] "GET /static/favicon.ico HTTP/1.1" 200 15406
Request for hello page received with name=Sindu
[27/Oct/2022 11:46:34] "POST /hello HTTP/1.1" 200 795
[27/Oct/2022 11:46:34] "GET /static/images/azure-icon.svg HTTP/1.1" 304 0
[27/Oct/2022 11:46:34] "GET /static/bootstrap/css/bootstrap.min.css HTTP/1.1" 304 0
[27/Oct/2022 11:46:34] "GET /static/favicon.ico HTTP/1.1" 304 0
Request for index page received
[27/Oct/2022 11:46:45] "GET / HTTP/1.1" 200 1583
Request for index page received
[27/Oct/2022 14:23:15] "GET / HTTP/1.1" 200 1583
[27/Oct/2022 14:23:15] "GET /static/bootstrap/css/bootstrap.min.css HTTP/1.1" 304 0
[27/Oct/2022 14:23:15] "GET /static/images/azure-icon.svg HTTP/1.1" 304 0
[27/Oct/2022 14:23:15] "GET /static/favicon.ico HTTP/1.1" 304 0
Request for hello page received with name=Sindu
[27/Oct/2022 14:24:23] "POST /hello HTTP/1.1" 200 795
```

3.DEPLOYING DOCKER CONTAINERS ON AZURE

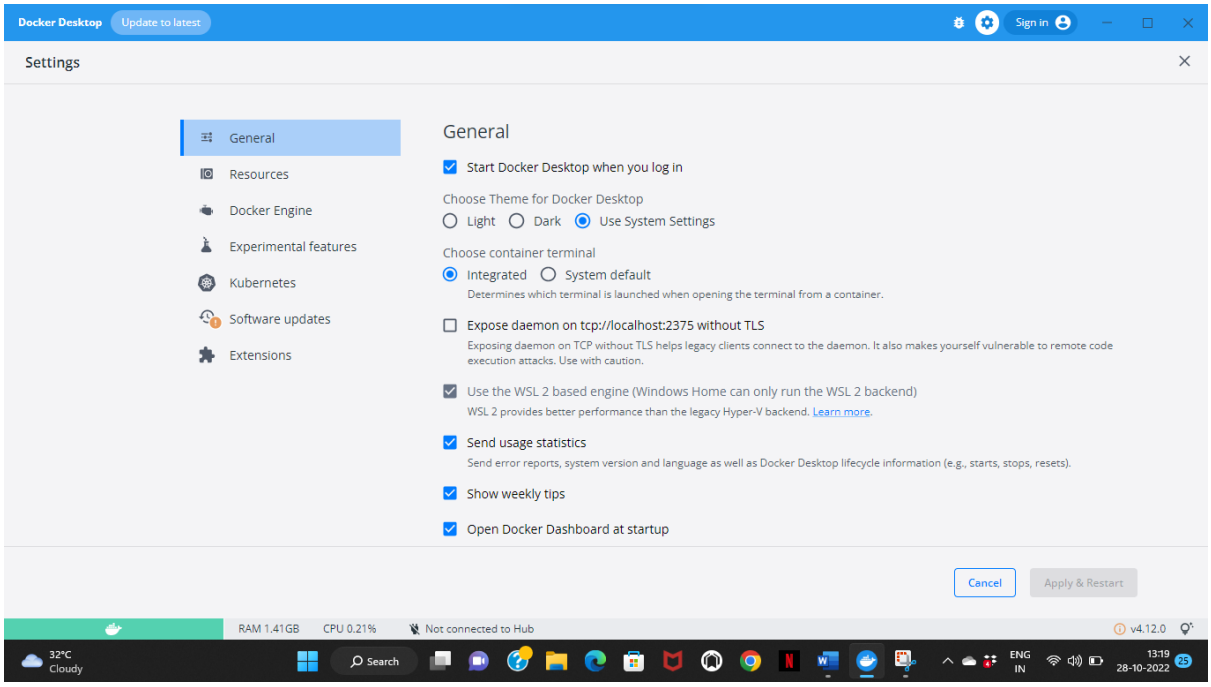
1.INSTALLING DOCKER ON WINDOWS

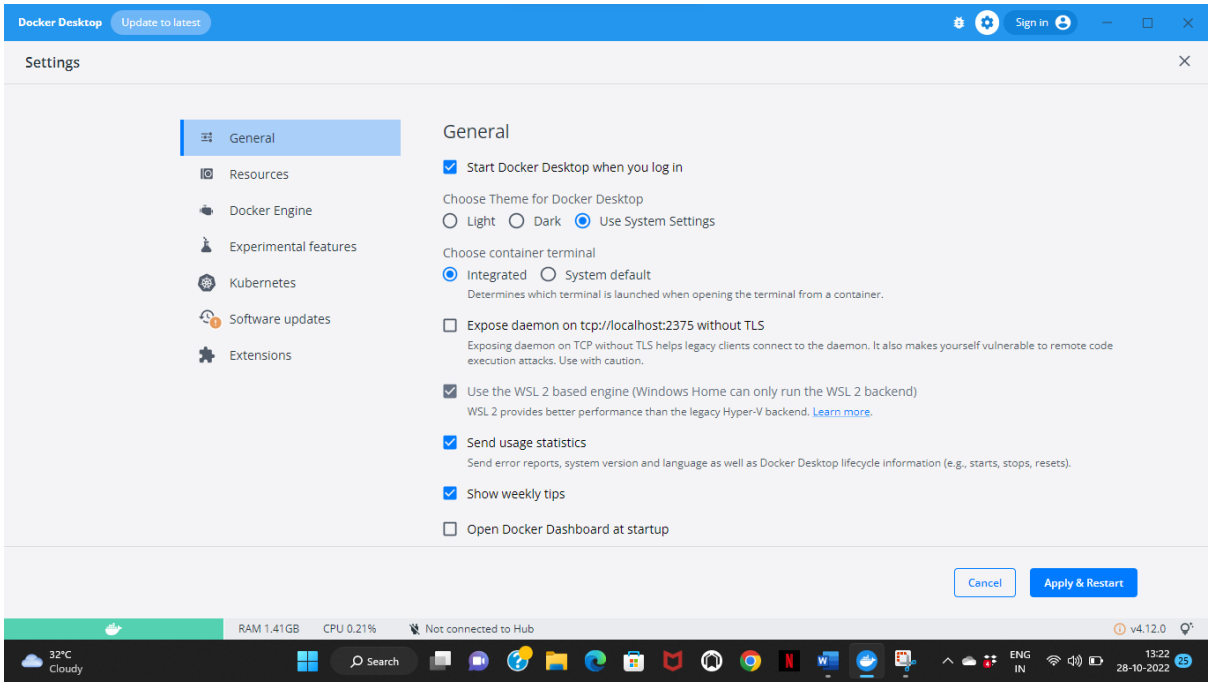
2.CLICKING ON DOWNLOAD BUTTON

3.VIEWING SETTINGS



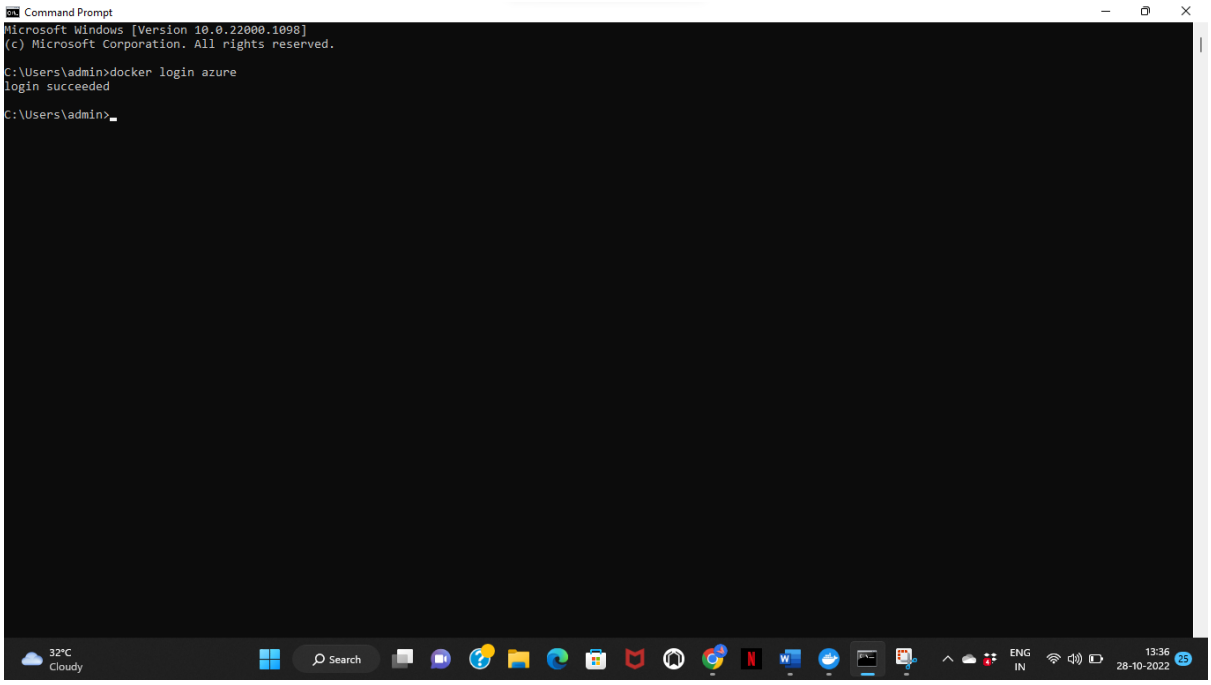
4.CHANGING GENERAL SETTINGS AND RESTARTING



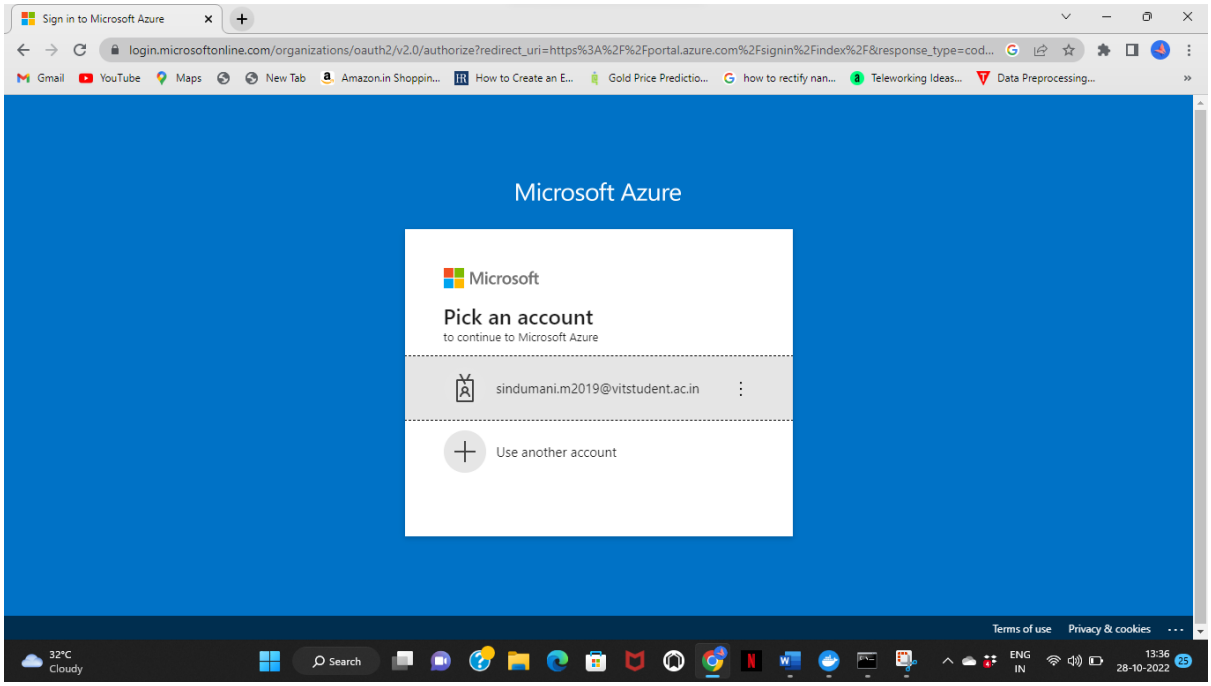


5.LOGGING INTO AZURE USING DOCKER COMMAND

COMMAND:docker login azure

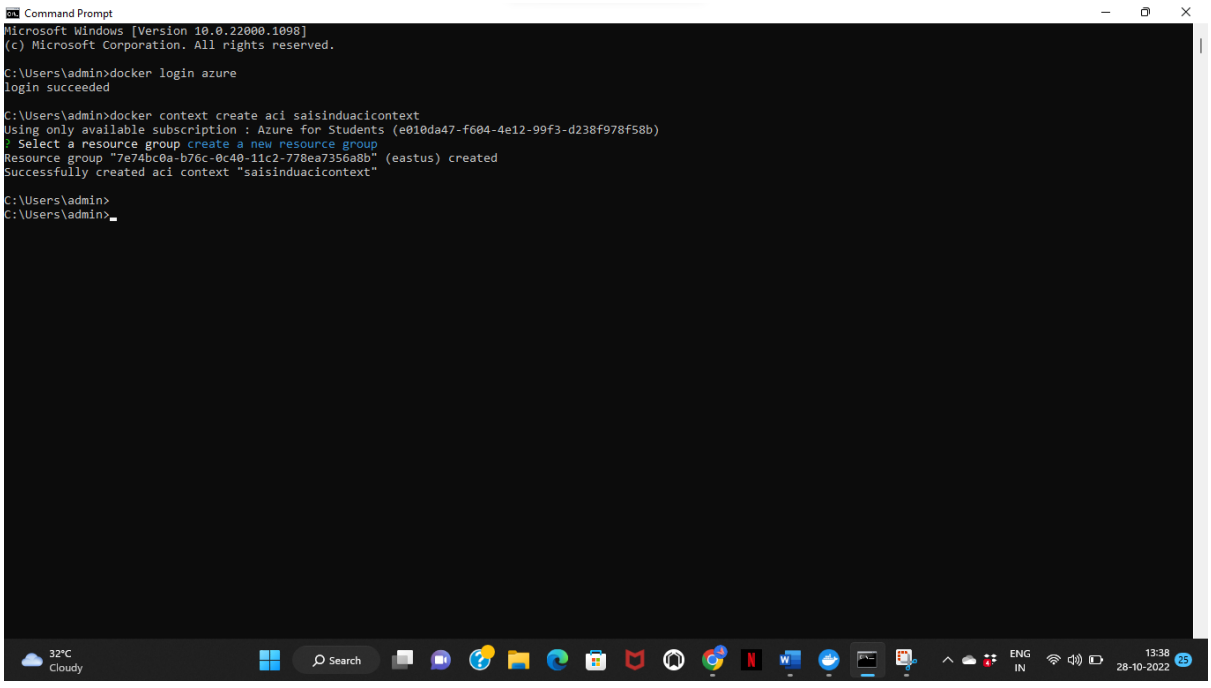


6.SUCCESSFULLY LOGGED INTO AZURE



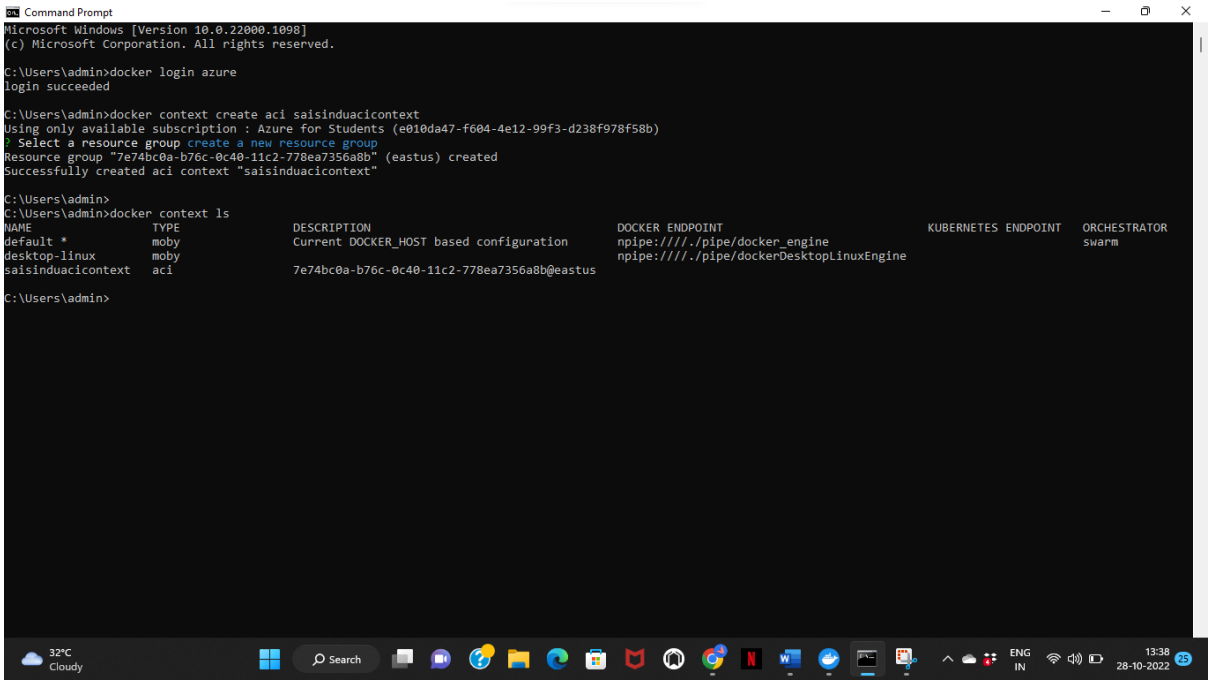
7.CREATING A RESOURCE GROUP

COMMAND:docker context create aci myacicontext



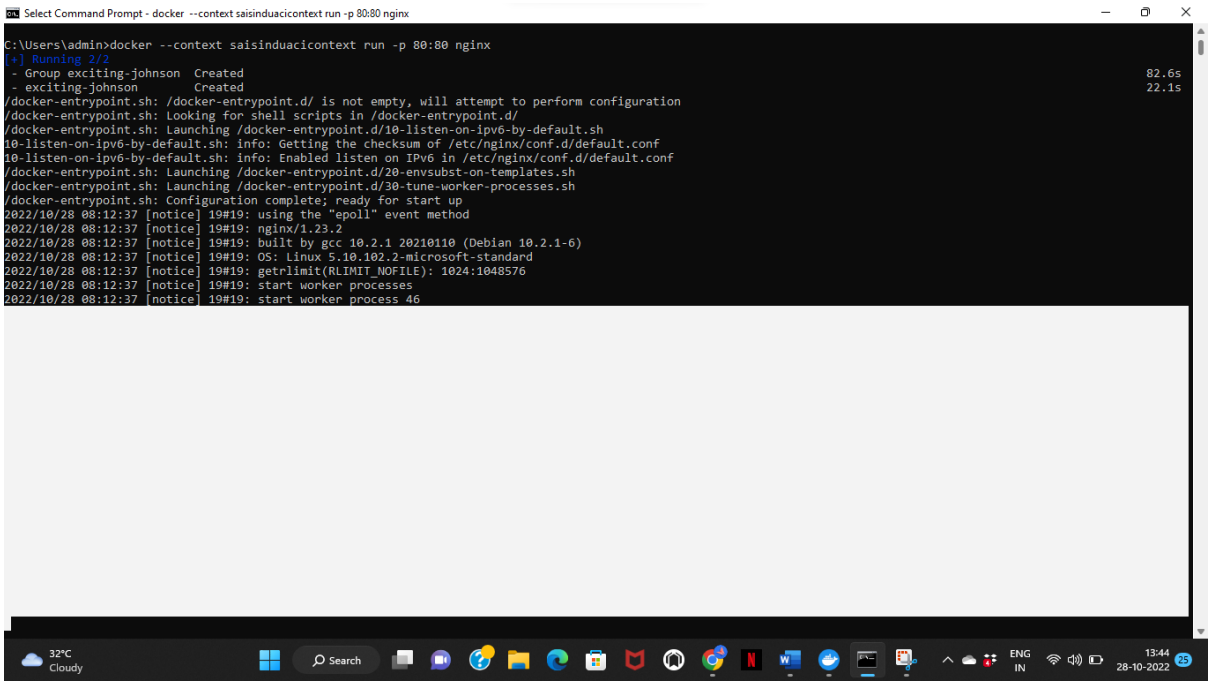
8.TO VIEW THE DOCKER CONTEXTS

COMMAND:docker context ls



9.TO RUN A CONATINER

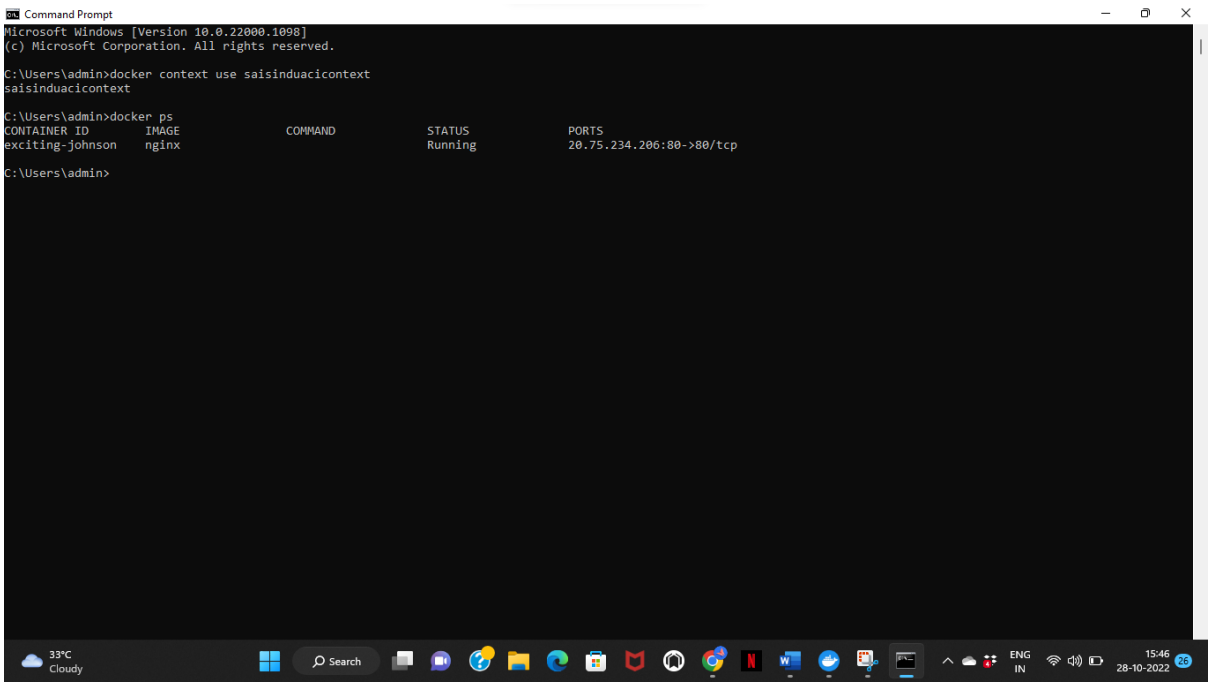
COMMAND:docker –context myacicontext run -p 80:80 nginx



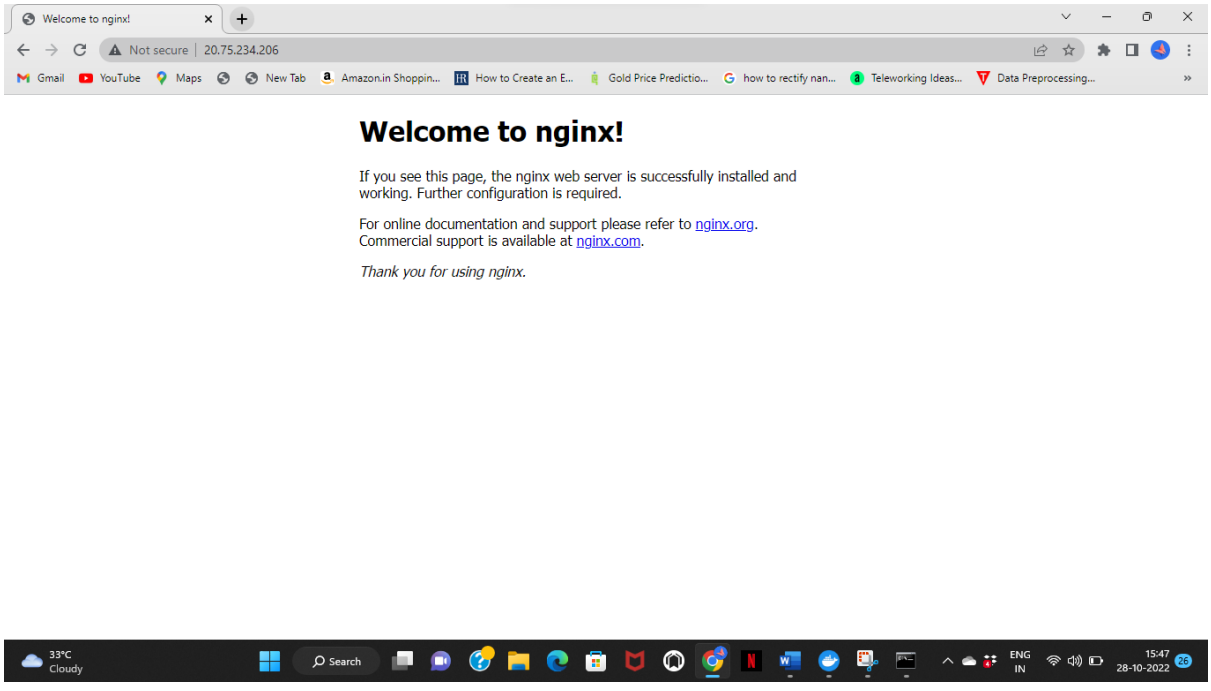
10.VIEWING THE PORTS AND TO LIST THE CONTAINERS RUNNING ON ACI

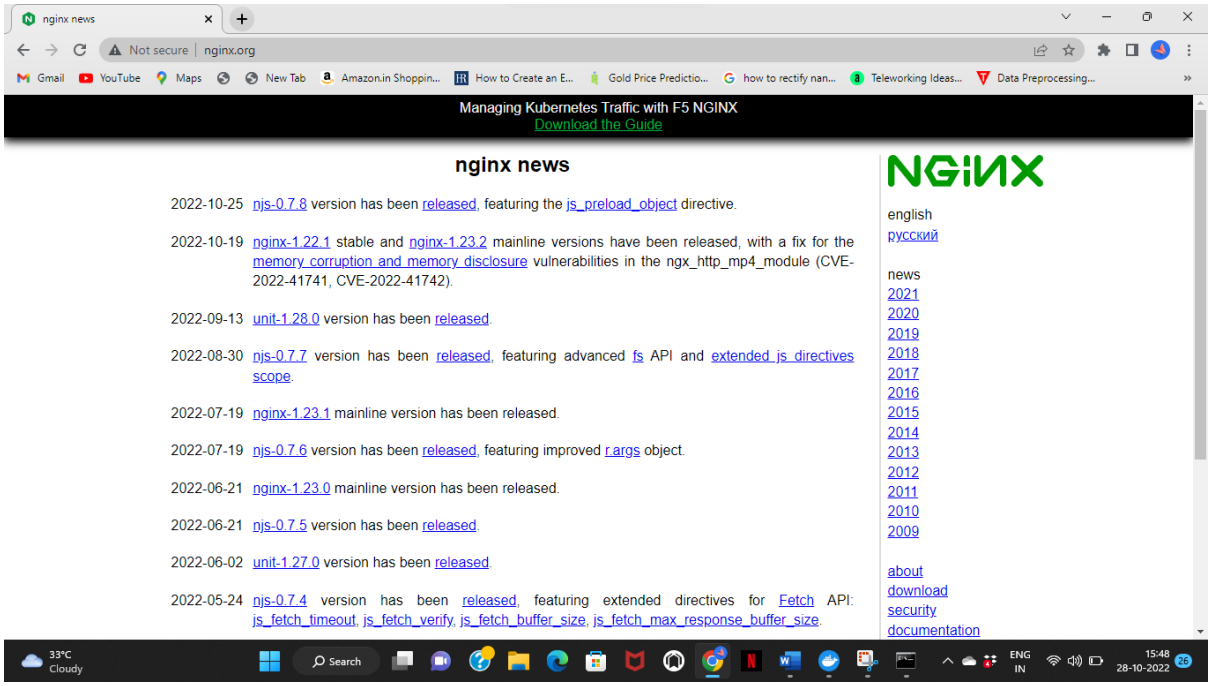
COMMAND:docker context use myacicontext

docker ps



11.VIEWING THE WEBISTE WITH THE PORT(http://20.75.234.206)

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2022-10-25 njs-0.7.8 version has been released, featuring the js_preload_object directive.
2022-10-19 nginx-1.22.1 stable and nginx-1.23.2 mainline versions have been released, with a fix for the memory corruption and memory disclosure vulnerabilities in the ngx_http_mp4_module (CVE-2022-41741, CVE-2022-41742).
2022-09-13 unit-1.28.0 version has been released.
2022-08-30 njs-0.7.7 version has been released, featuring advanced fs API and extended js directives scope.
2022-07-19 nginx-1.23.1 mainline version has been released.
2022-07-19 njs-0.7.6 version has been released, featuring improved r.args object.
2022-06-21 nginx-1.23.0 mainline version has been released.
2022-06-21 njs-0.7.5 version has been released.
2022-06-02 unit-1.27.0 version has been released.
2022-05-24 njs-0.7.4 version has been released, featuring extended directives for Fetch API: js_fetch_timeout, js_fetch_verify, js_fetch_buffer_size, js_fetch_max_response_buffer_size.
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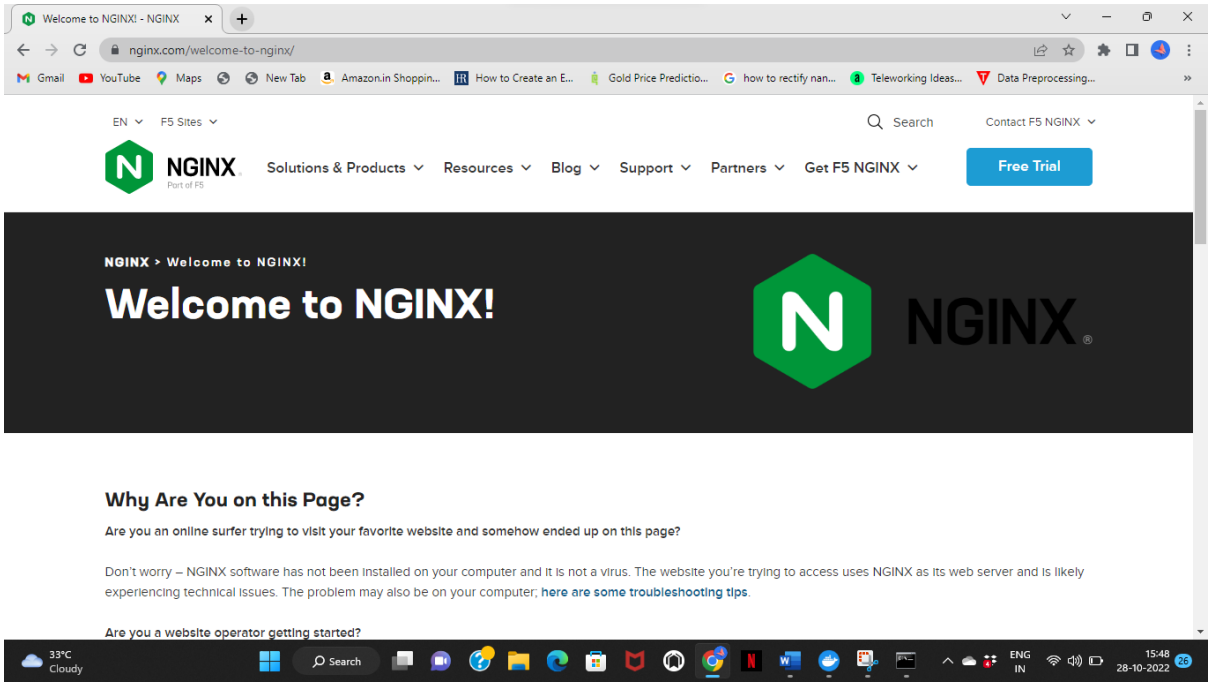
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