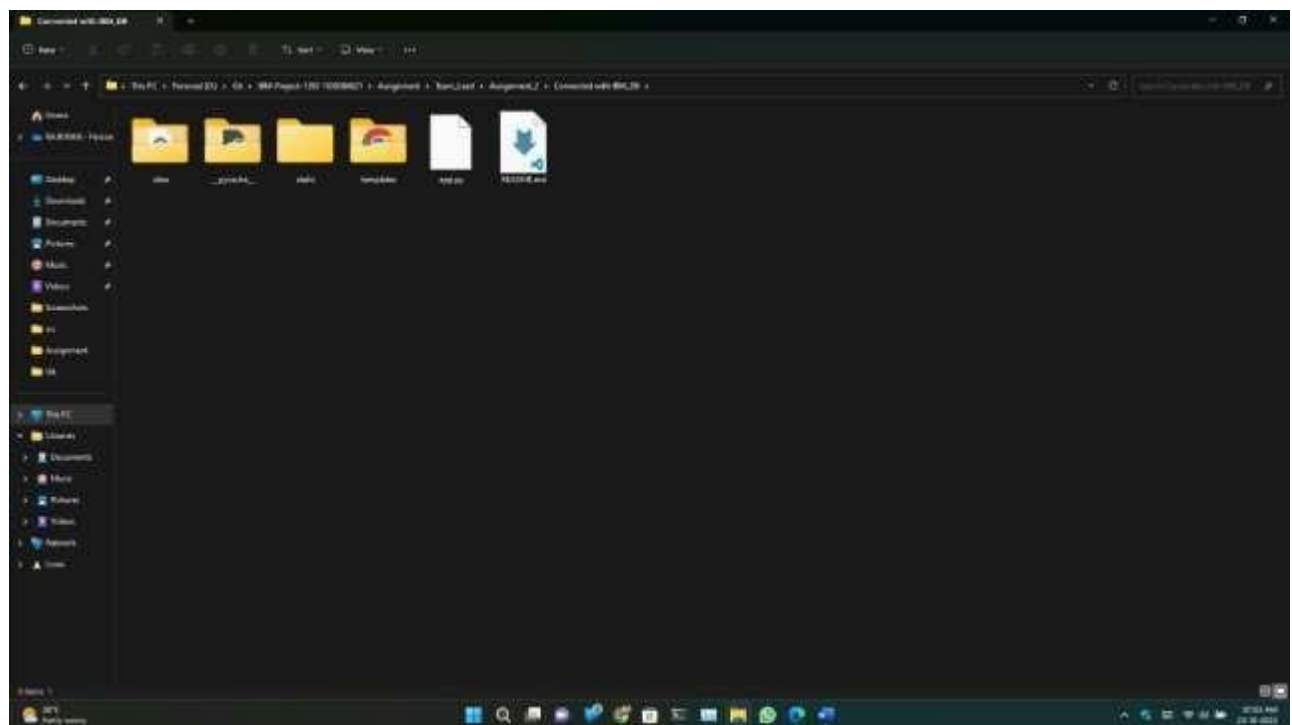


ENVIRONMENTAL SETUP

Date	11 NOV 2022
TEAM ID	PNT2022TMID46479
Project Name	CUSTOMER CARE REGISTRY

FLASK SETUP:



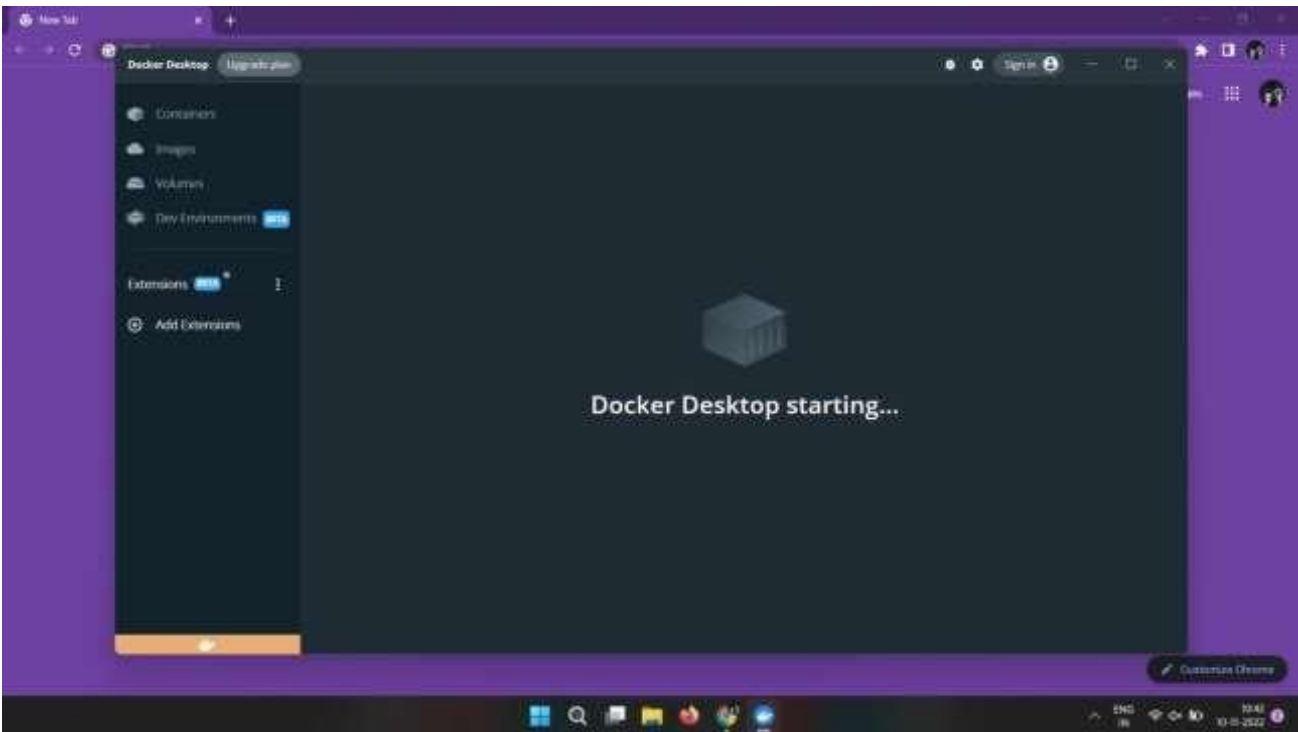
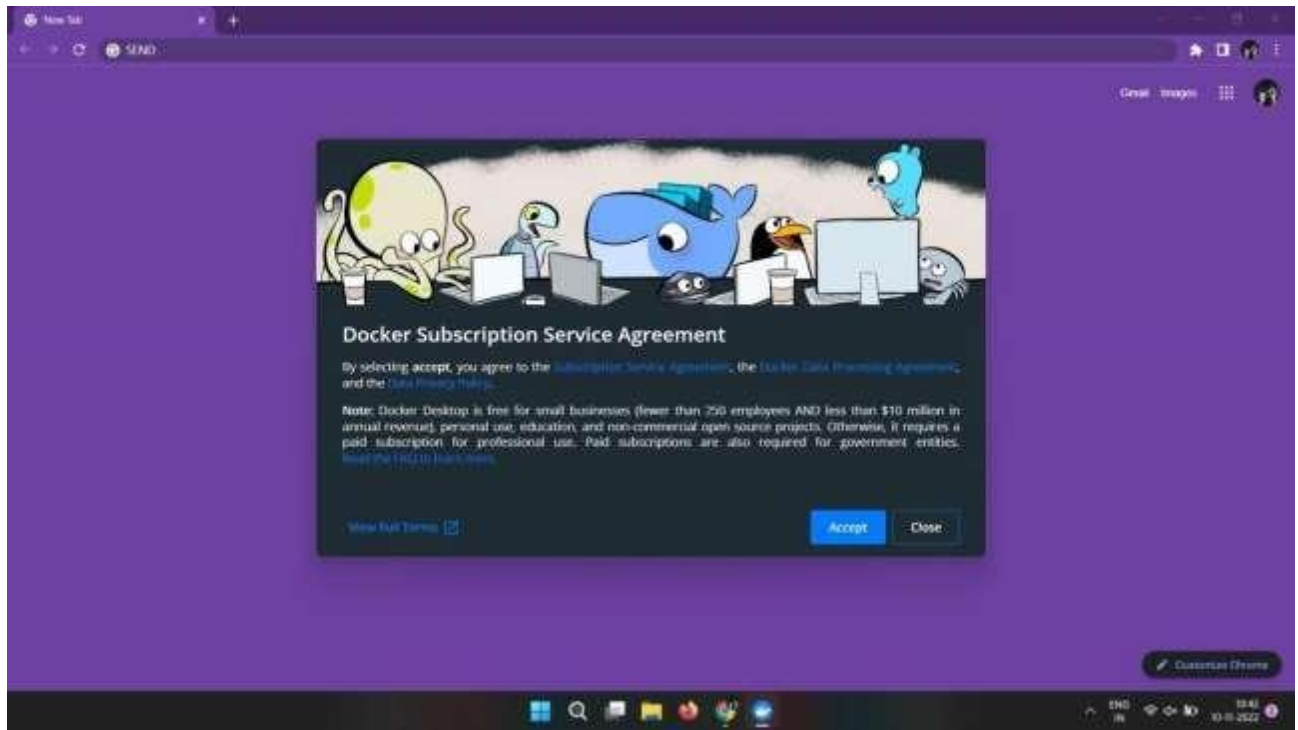
The screenshot shows the PyCharm IDE with a project named 'HelloWorld'. The main editor displays the code for 'main.py', which is a Flask application. The code includes comments explaining the steps: importing Flask, creating an app, defining a route, and running the application. The terminal window at the bottom shows the command to run the application and its output, including a warning about the development server and the URL to access the application.

```
1 # Importing Flask module in the project is mandatory
2 from flask import Flask
3 app = Flask(__name__)
4 # The route() function of the Flask class is a decorator,
5 # @app.route('/')
6 # // url is bound with hello_world() function.
7 def hello_world():
8     return "Hello World"
9 # main module function
10 if __name__ == '__main__':
11     # run() method of Flask class runs the application
12     # on the local development server.
13     app.run()
```

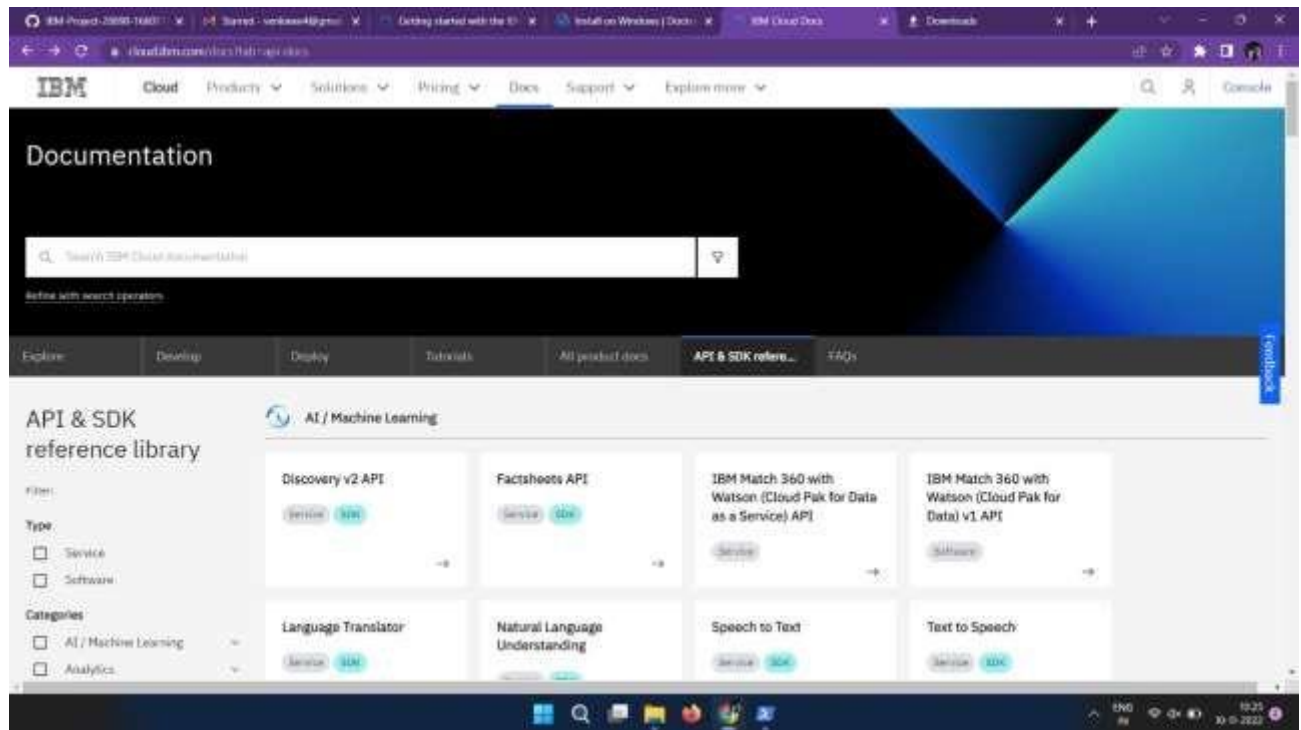
Run main.py
C:\Users\arisha\PycharmProjects\HelloWorld\venv\Scripts\python.exe C:\Users\arisha\PycharmProjects\HelloWorld\main.py
* Serving Flask app 'main' *
* Debug mode: off *
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:5000
Press CTRL+C to quit
127.0.0.1 - - [16/Oct/2022 09:15:26] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [16/Oct/2022 09:15:26] "GET /favicon.ico HTTP/1.1" 404 -



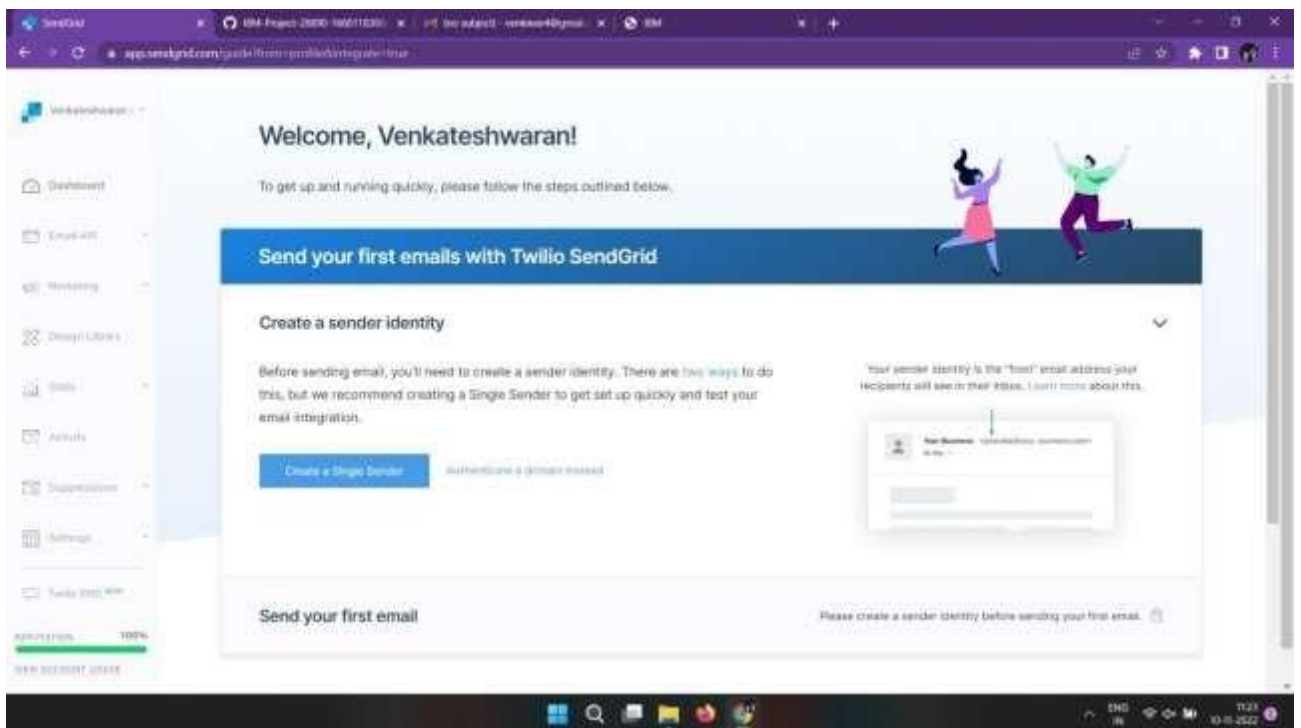
DOCKER SETUP:



CLOUD ACCOUNT CREATION:



SENDGRID ACCOUNT CREATION:



IBM CLOUD CLI INSTALL :

```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 10.0.22621.676]
(c) Microsoft Corporation. All rights reserved.

C:\Users\joshlines\OneDrive>help

NAME:
  ibmcloud - A command line tool to interact with IBM Cloud
  Find more information at: https://ibm.biz/cli-docs

USAGE:
  [environment variables] ibmcloud [global options] command [arguments,...] [command options]

VERSION:
  2.12.1-6648841-2022-08-17T15:08:10+00:00

COMMANDS:
  account      Manage accounts, users, orgs and spaces
  api          Set or view target API endpoint
  billing      Retrieve usage and billing information
  catalog      Manage catalogs
  cf           Run Cloud Foundry CLI with IBM Cloud CLI runtime
  config       Write default values to the config
  dev         Create, develop, deploy, and monitor applications
  enterprise   Manage enterprise, account groups and accounts
  iam         Manage identities and access to resources
  login        Log user in
  logout       Log user out
  plugin       Manage plug-ins and plug-in repositories
  regions      List all the regions
  resource     Manage resource groups and resources
  resources    List all resources
  sl          Manage Classic Infrastructure services
  target       Set or view the targeted region, account, resource group, org or space
  update       Update CLI to the latest version
  version      Print the version
  help, h      Show help

Enter 'ibmcloud help [command]' for more information about a command.

ENVIRONMENT VARIABLES:
  IBM_CLOUD_URL             Do not collect output
  IBM_CLOUD_VERSION_CHECK   Do not check latest version for update
  IBM_CLOUD_HTTP_TIMEOUT    5 time limit for HTTP requests
  IBM_CLOUD_API_KEY_API_KEY API Key used for login
  IBM_CLOUD_OR_VPC_ID_API_KEY The custom server ID, to use when obtaining an instance identity token and IAM token as a VPC VSI compute resource. This value will replace the default server endpoint of the VPC VSI Instance Identity token service.
  IBM_CLOUD_OR_IDENTITY_TOKEN Compute resource token used for login. Can either be a token string or a path to a file.
  IBM_CLOUD_OR_PROFILE_ID_API_KEY The name, ID, or ORN of the listed trusted IAM profile to be used when obtaining the IAM access token. If authenticating as a VPC VSI compute resource, only specifying a trusted profile ORN or ID is supported.
  IBM_CLOUD_TRACE           Print API request diagnostics to stdout
```