

ENVIRONMENTAL SETUP

Team ID	PNT2022TMID42215
Project Name	Personal Expense Tracker
Batch	B1-1M3E

FLASK SETUP:

The image shows a VS Code editor window with a Python file named `app.py`. The code defines a Flask application with a single route `/` that returns the text `<p>Hello, World!</p>`. The terminal window below the editor shows the command `flask run` being executed, which starts the development server on `http://127.0.0.1:5000`. The terminal output includes a warning about using a development server and shows two GET requests: one to `/` returning 200 and another to `/favicon.ico` returning 404. Below the VS Code window, a web browser window is open at `127.0.0.1:5000`, displaying the text "Hello, every one".

```
1 from flask import Flask
2
3 app = Flask(__name__)
4
5 @app.route('/')
6 def index():
7     return "<p>Hello, World!</p>"
8
9 index()
```

Terminal: Local + -

```
from flask import Flask, render_template, request, redirect, url_for
ImportError: cannot import name 'Flask' from partially initialized module 'flask' (most likely due to a circular import) (C:\Users\NANDHINI.K\PycharmProjects\firstpty\flask.py)
PS C:\Users\NANDHINI.K\PycharmProjects\firstpty> flask run
+ 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 - - [08/Nov/2022 16:08:23] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [08/Nov/2022 16:08:23] "GET /favicon.ico HTTP/1.1" 404 -
```

127.0.0.1:5000

127.0.0.1:5000

Hello, every one

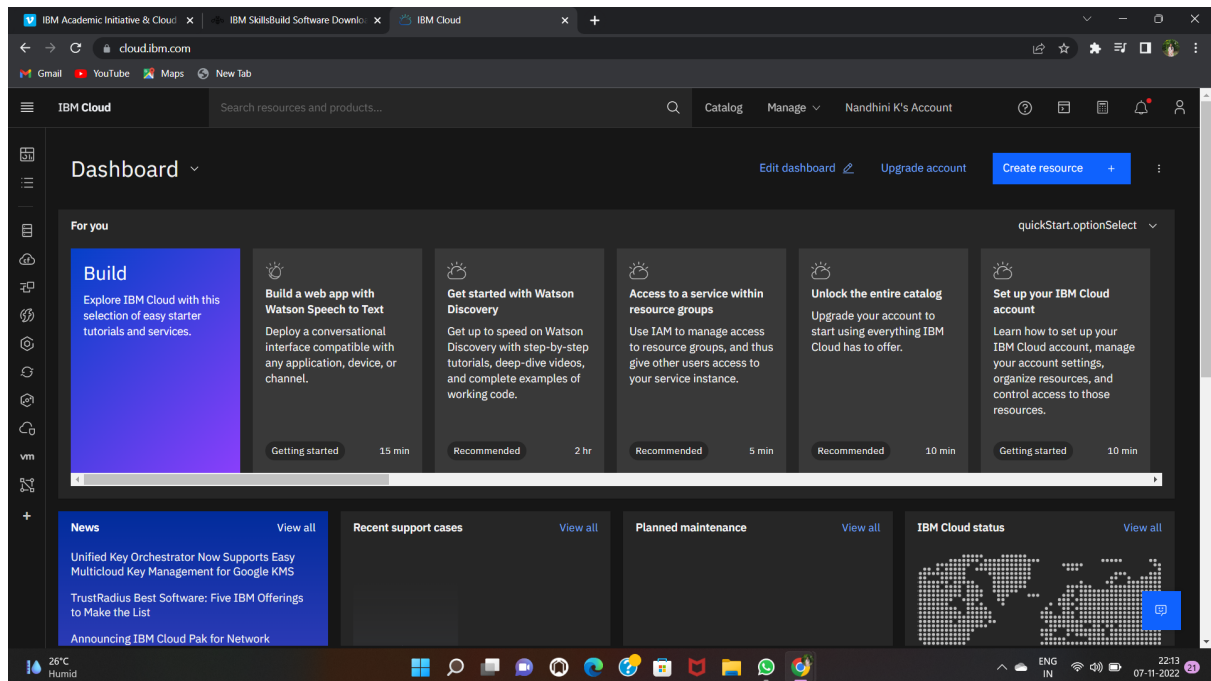
DOCKER SETUP:

The top screenshot shows the Docker Desktop 'Containers' view. The left sidebar contains navigation links: Containers, Images, Volumes, Dev Environments (BETA), Extensions (BETA), and Add Extensions. The main area is titled 'Containers' and features a 'Run a Sample Container' guide. The guide instructs the user to copy and paste the command `docker run -d -p 80:80 docker/getting-started` into a terminal. Below the guide, there are three 'Run' buttons for Redis, NGINX, and PostgreSQL, each with a brief description. The bottom status bar shows RAM at 2.30GB, CPU at 0.25%, and 'Not connected to Hub'.

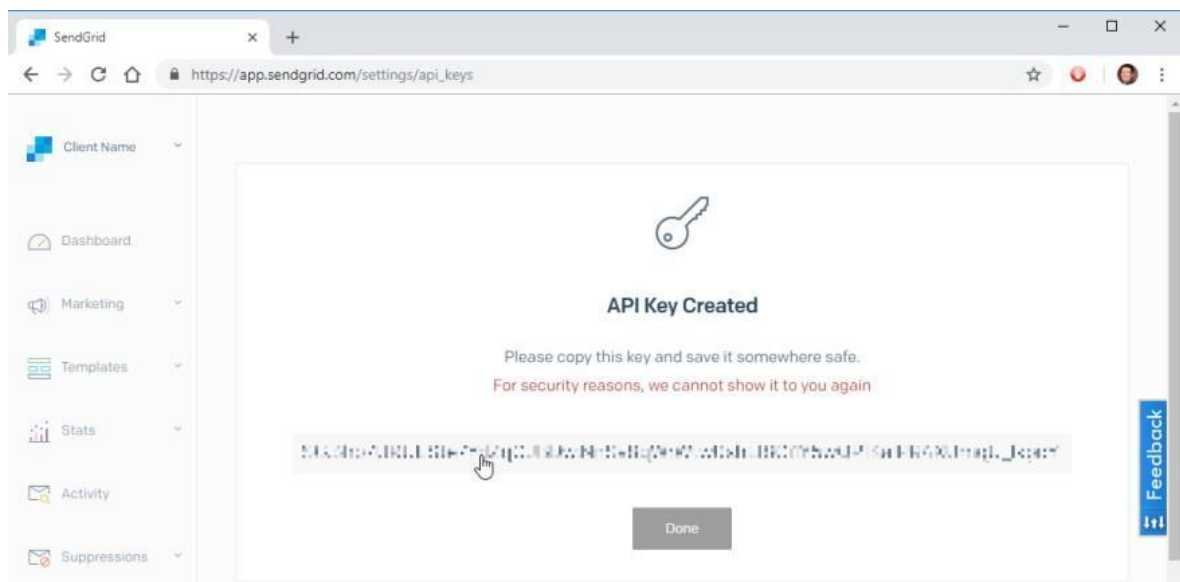
The bottom screenshot shows the Docker Desktop 'Images' view. The left sidebar is the same as the top screenshot. The main area is titled 'Images' and shows a table of local images. The table has columns for NAME, TAG, IMAGE ID, CREATED, and SIZE. There is one image listed: `ibmcom/flask-ldap-login-ppc64le` with tag `latest` and image ID `8c50753f4ebe`. The bottom status bar shows RAM at 3.46GB, CPU at 0.20%, and 'Connected to Hub'.

NAME	TAG	IMAGE ID	CREATED	SIZE
ibmcom/flask-ldap-login-ppc64le	latest	8c50753f4ebe	over 3 years ago	1.04 GB

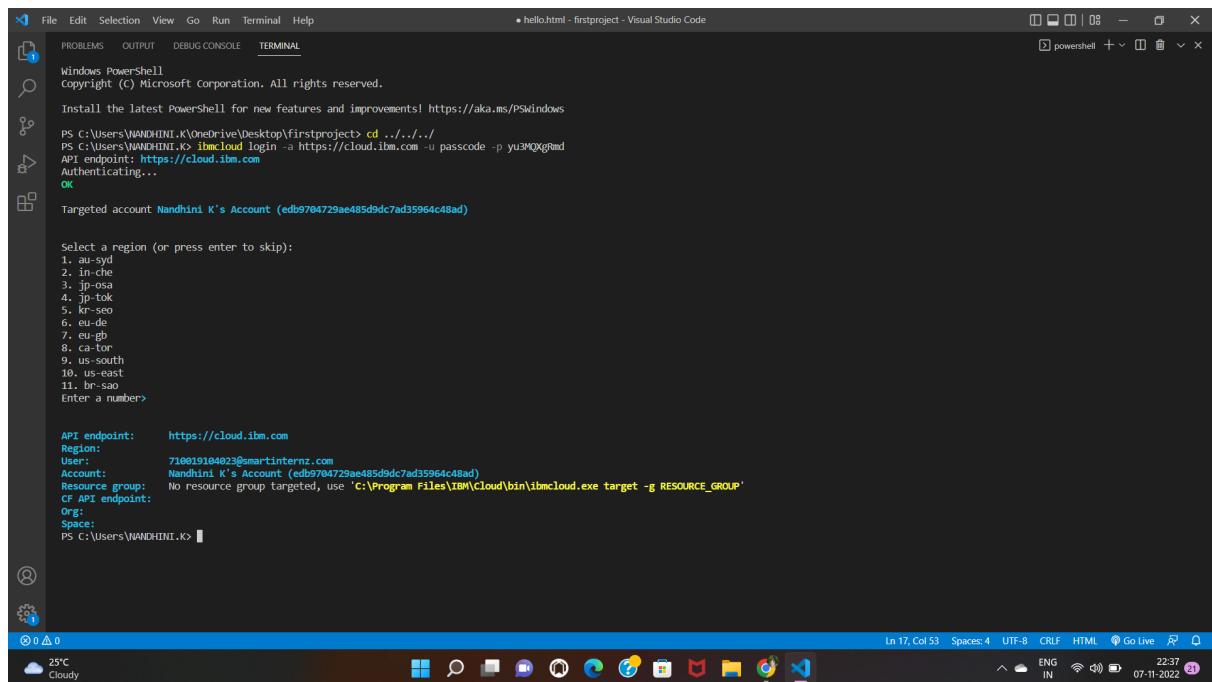
CLOUD ACCOUNT CREATION:



SENDGRID ACCOUNT CREATION:



IBM CLOUD CLI INSTALL :



```
File Edit Selection View Go Run Terminal Help
hello.html - firstproject - Visual Studio Code

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\NANDHINI.K\OneDrive\Desktop\firstproject> cd ../../..
PS C:\Users\NANDHINI.K> ibmcloud login -a https://cloud.ibm.com -u passcode -p yu3M0xg0md
API endpoint: https://cloud.ibm.com
Authenticating...
OK
Targeted account Nandhini K's Account (edb9704729ae485d9dc7ad35964c48ad)

Select a region (or press enter to skip):
1. au-syd
2. in-che
3. jp-osa
4. jp-tok
5. kr-seo
6. eu-de
7. eu-gb
8. ca-tor
9. us-south
10. us-east
11. br-sao
Enter a number>

API endpoint: https://cloud.ibm.com
Region:
User: 710019104023@smartinernz.com
Account: Nandhini K's Account (edb9704729ae485d9dc7ad35964c48ad)
Resource group: No resource group targeted, use 'C:\Program Files\IBM\cloud\bin\ibmcloud.exe target -g RESOURCE_GROUP'
cf API endpoint:
Org:
Space:
PS C:\Users\NANDHINI.K>
```