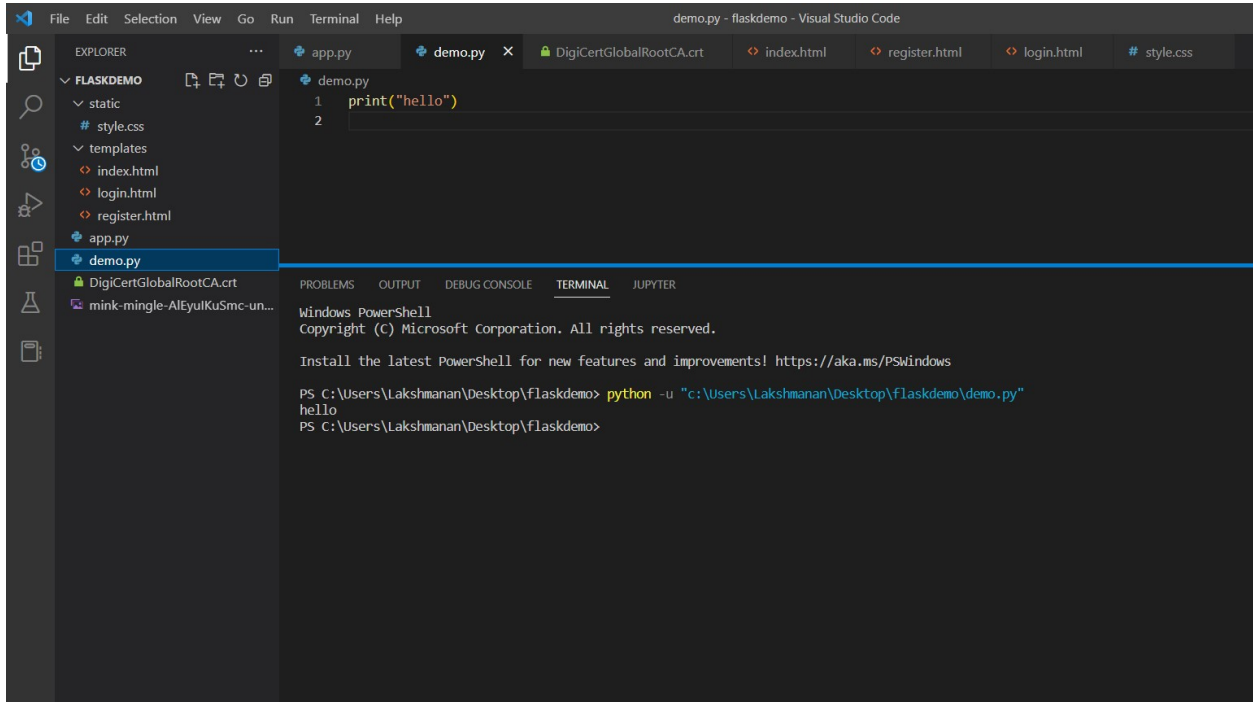


SETTING UP APPLICATION ENVIRONMENT:

CREATE FLASK PROJECT:



```
demo.py - flaskdemo - Visual Studio Code
```

File Edit Selection View Go Run Terminal Help

EXPLORER

- FLASKDEMO
 - static
 - style.css
 - templates
 - index.html
 - login.html
 - register.html
 - app.py
 - demo.py
- DigiCertGlobalRootCA.crt
- mink-mingle-AlEyulKuSmc-un...

demo.py

```
1 print("hello")
2
```

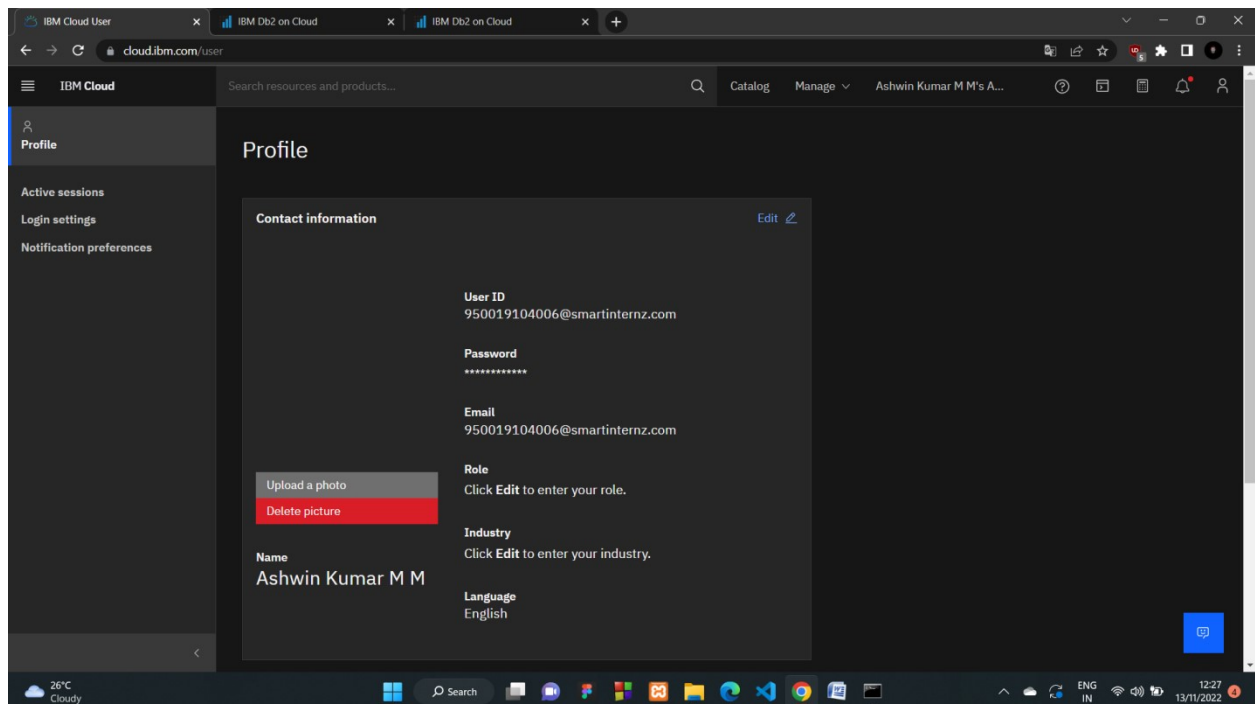
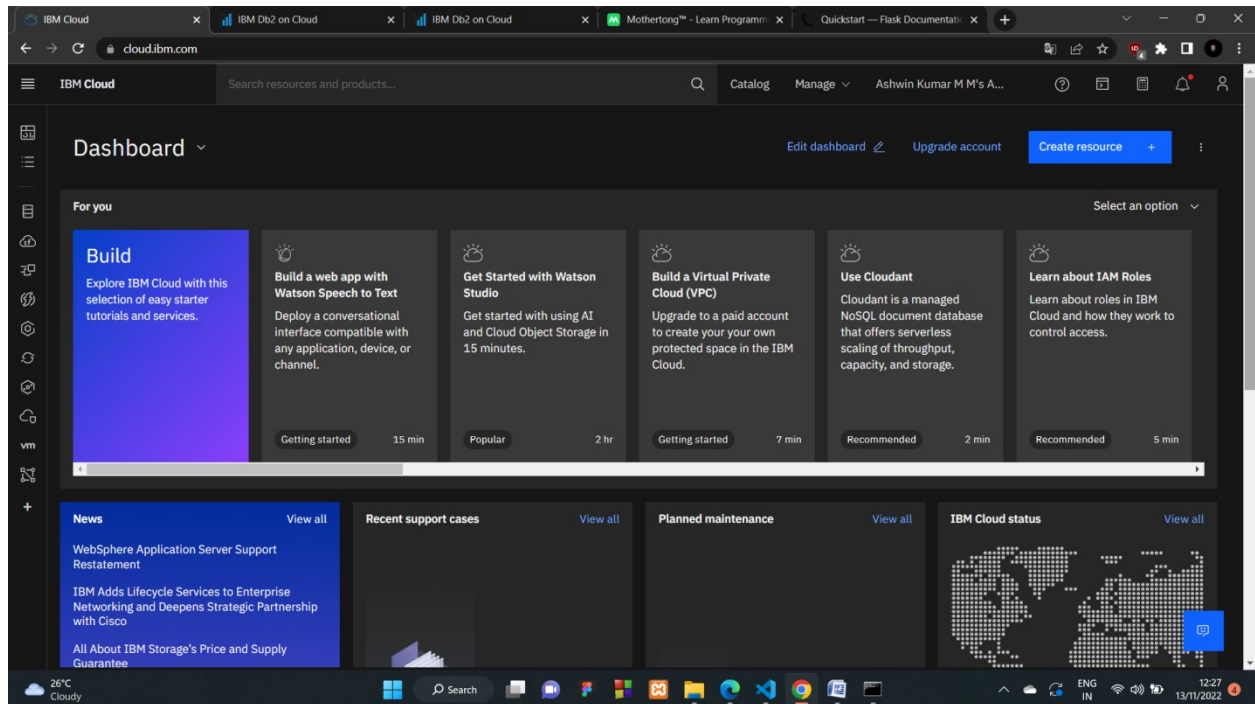
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER

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

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

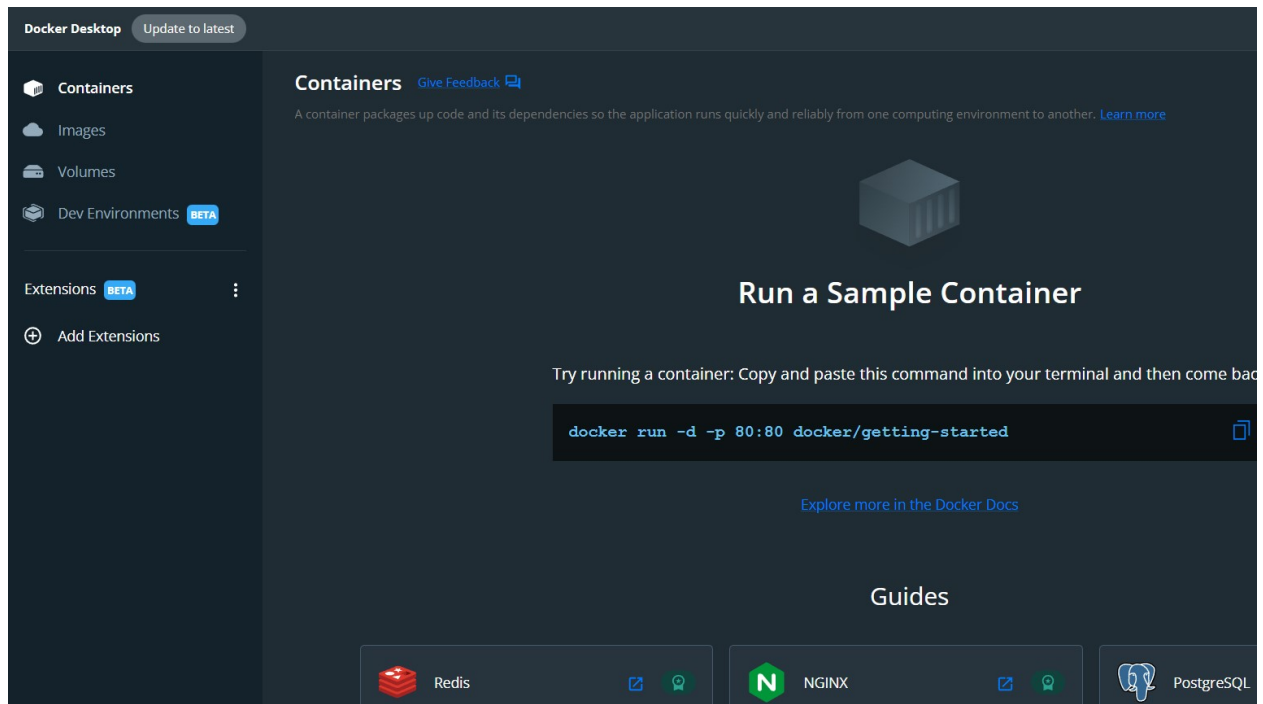
```
PS C:\Users\Lakshmanan\Desktop\flaskdemo> python -u "c:\Users\Lakshmanan\Desktop\flaskdemo\demo.py"
hello
PS C:\Users\Lakshmanan\Desktop\flaskdemo>
```

CREATE IBM CLOUD ACCOUNT:

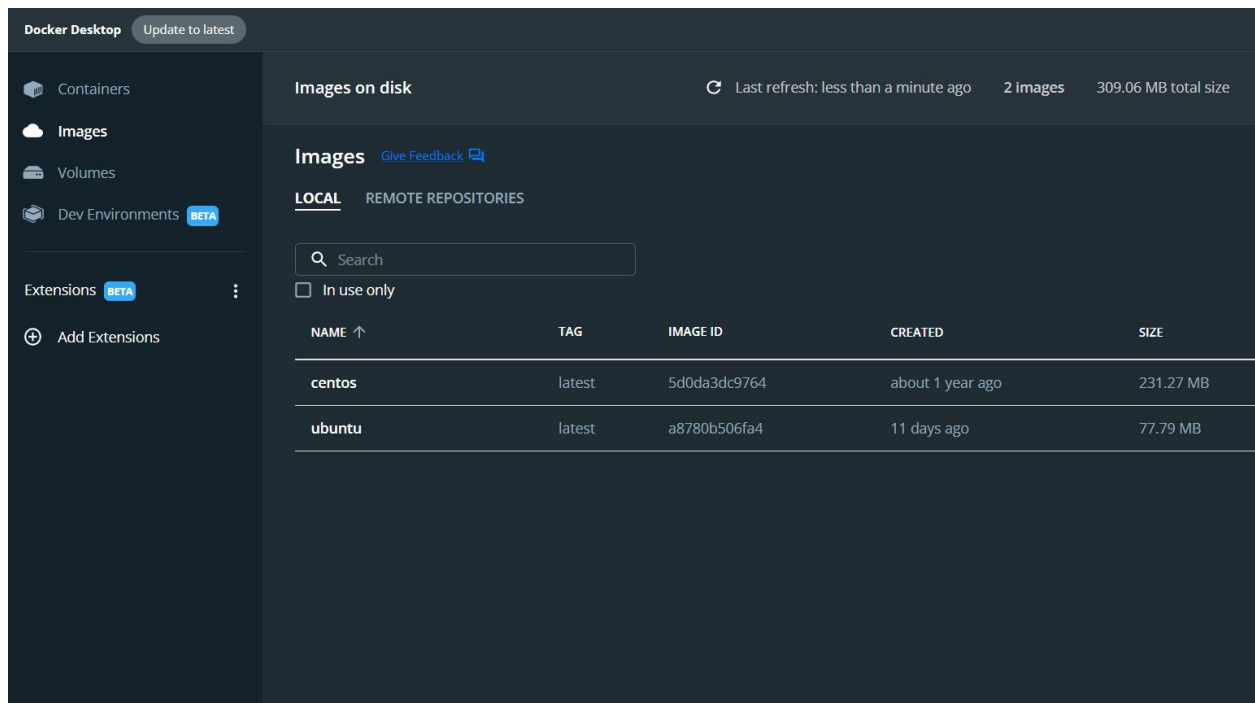


DOCKER AND CLI INSTALLATION :

INTERFACE:



IMAGES:



INSTALLATION:

```
Command Prompt
Microsoft Windows [Version 10.0.22000.1219]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Lakshmanan>docker

Usage: docker [OPTIONS] COMMAND

A self-sufficient runtime for containers

Options:
  --config string      Location of client config files (default
                        "C:\\Users\\Lakshmanan\\.docker")
  -c, --context string  Name of the context to use to connect to the
                        daemon (overrides DOCKER_HOST env var and
                        default context set with "docker context use")
  -D, --debug           Enable debug mode
  -H, --host list       Daemon socket(s) to connect to
  -l, --log-level string Set the logging level
                        ("debug"|"info"|"warn"|"error"|"fatal")
                        (default "info")
  --tls                Use TLS; implied by --tlsverify
  --tlscacert string    Trust certs signed only by this CA (default
                        "C:\\Users\\Lakshmanan\\.docker\\ca.pem")
  --tlscert string      Path to TLS certificate file (default
                        "C:\\Users\\Lakshmanan\\.docker\\cert.pem")
  --tlskey string       Path to TLS key file (default
                        "C:\\Users\\Lakshmanan\\.docker\\key.pem")
  --tlsverify           Use TLS and verify the remote
  -v, --version         Print version information and quit

Management Commands:
  builder      Manage builds
  buildx*      Docker Buildx (Docker Inc., v0.9.1)
  compose*     Docker Compose (Docker Inc., v2.10.2)
  config       Manage Docker configs
  container     Manage containers
  context       Manage contexts
  extension*    Manages Docker extensions (Docker Inc., v0.2.9)
  image         Manage images
  manifest      Manage Docker image manifests and manifest lists
  network       Manage networks
  node          Manage Swarm nodes
```

```
Command Prompt

search      Search the Docker Hub for images
start       Start one or more stopped containers
stats       Display a live stream of container(s) resource usage statistics
stop        Stop one or more running containers
tag         Create a tag TARGET_IMAGE that refers to SOURCE_IMAGE
top         Display the running processes of a container
unpause     Unpause all processes within one or more containers
update      Update configuration of one or more containers
version     Show the Docker version information
wait        Block until one or more containers stop, then print their exit codes

Run 'docker COMMAND --help' for more information on a command.

To get more help with docker, check out our guides at https://docs.docker.com/go/guides/

C:\Users\Lakshmanan>docker ps
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS   NAMES

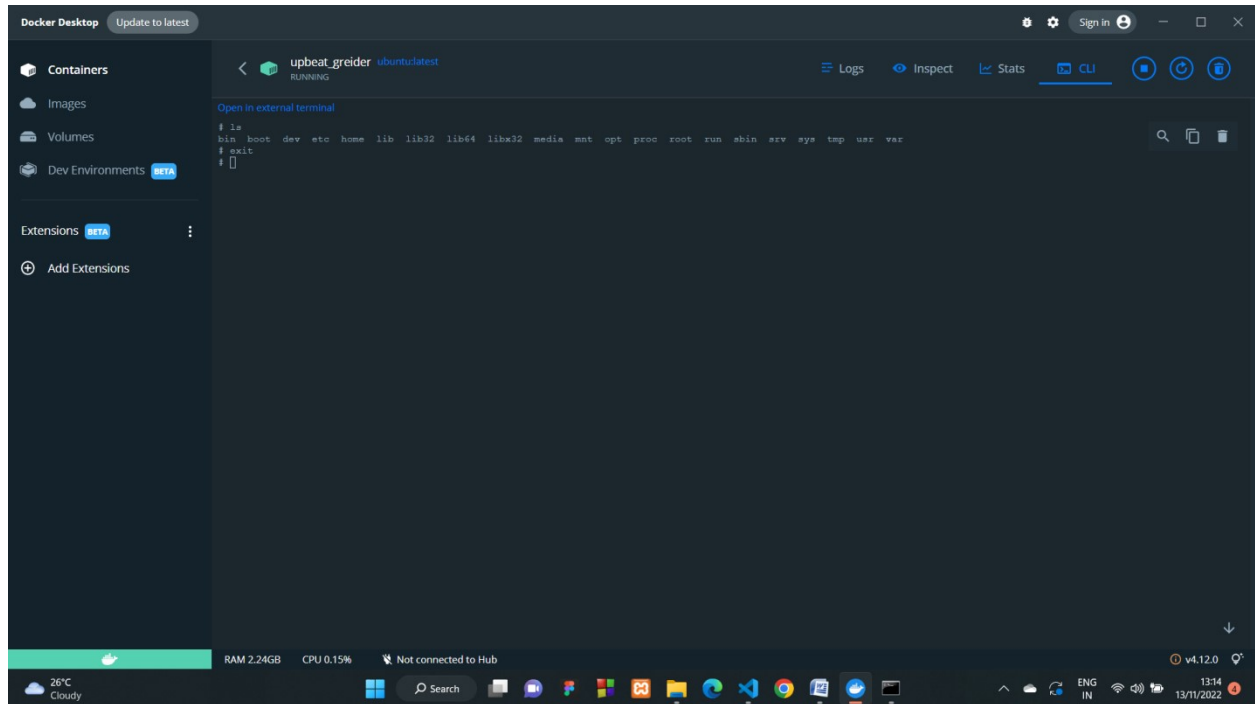
C:\Users\Lakshmanan>docker pull ubuntu
Using default tag: latest
latest: Pulling from library/ubuntu
e96e057aae67: Pull complete
Digest: sha256:4b1d0c4a2d2aaf63b3711f34eb9fa89fa1bf53dd6e4ca954d47caebca4005c2
Status: Downloaded newer image for ubuntu:latest
docker.io/library/ubuntu:latest

C:\Users\Lakshmanan>docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
ubuntu        latest   a8780b506fa4   10 days ago    77.8MB

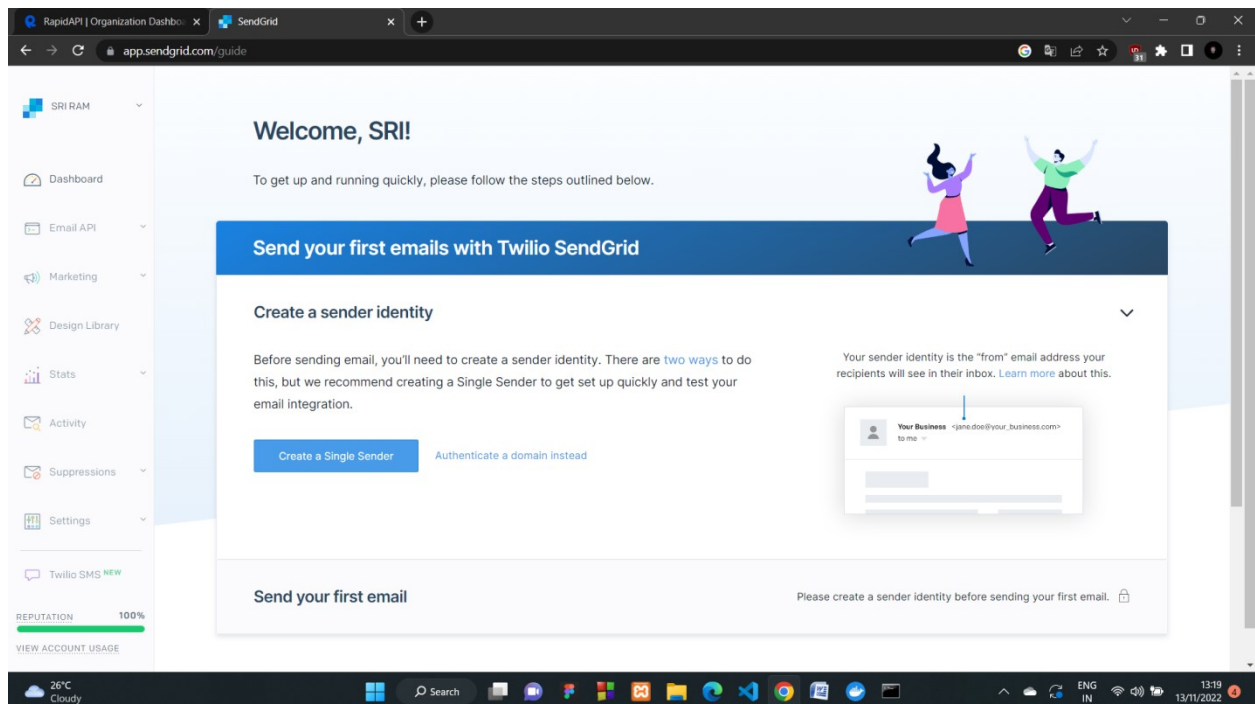
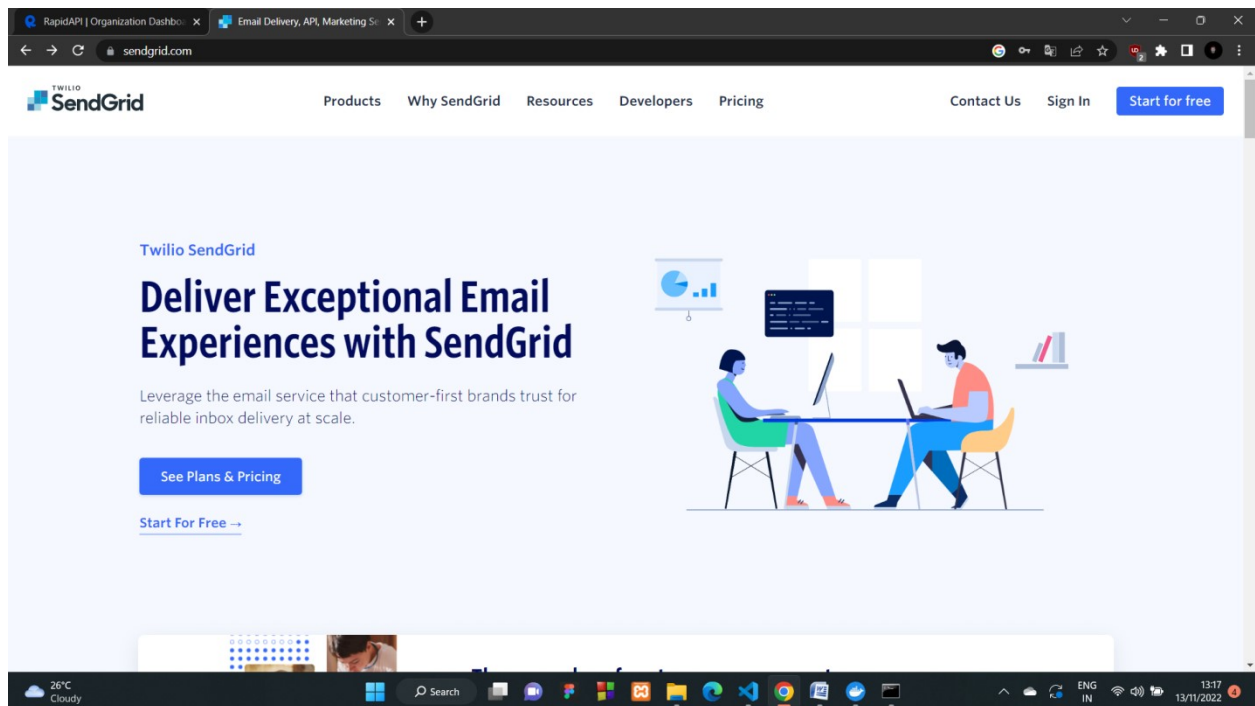
C:\Users\Lakshmanan>docker pull centos
Using default tag: latest
latest: Pulling from library/centos
a1d0c7532777: Pull complete
Digest: sha256:a27fd8080b517143cbbab9dfb7c8571c40d67d534bbdee55bd6c473f432b177
Status: Downloaded newer image for centos:latest
docker.io/library/centos:latest

C:\Users\Lakshmanan>docker ps
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS   NAMES
6cbfb11a01b1  ubuntu:latest  "bash"    About a minute ago    Up About a minute    upbeat_greider
```

DOCKER CLI:



CREATE AN ACCOUNT IN SENDGRID:



CREATE AN ACCOUNT IN NUTRITION API:

The screenshot displays the RapidAPI Organization Dashboard for 'ANNA UNIVERSITY REGIONAL'. The left sidebar contains navigation links: Manage Teammates (active), Manage Teams, Bulk API Import, Organization Homepage, Subscriptions & Usage, Transactions, Subscribed APIs, Published APIs, Org Subscription, Approvals, Inbox, Organization Settings, and Audit Trails. The main content area features a top banner with tasks: 'Add teammates to your organization', 'Add your APIs', 'Add external APIs', and 'Customize your Organization Homepage'. Below this is the 'Add New Teammates' section with a search bar, a role dropdown set to 'Developer', a 'Select teams' button, and an 'Invite User' button. The 'Bulk Teammate Import' section includes buttons for 'Import from Github', 'Import from CSV', and 'Download CSV Template', along with a note that a credit card is required. The 'Manage Teammates' section shows a table with columns for Email Address, Username, Name, # Of Teams, and Role. A single user is listed with email '950019104012@smartinternz.com', username 'Ganesan123', name 'Ganesan123', 2 teams, and the role of 'Admin'. The bottom of the image shows a Windows taskbar with the date '13/11/2022' and time '13:15'.

RapidAPI | Organization Dashboard

Organization ▾ API Hub My Apps Add your API Docs

ANNA UNIVERSITY REGIONAL

Manage Teammates

Manage Teams

Bulk API Import

Organization Homepage

Subscriptions & Usage

Transactions

Subscribed APIs

Published APIs

Org Subscription

Approvals

Inbox

Organization Settings

Audit Trails

Let's get your organization up and running with a few key tasks

☐ Add teammates to your organization ☐ Add your APIs ☐ Add external APIs ☐ Customize your Organization Homepage

Organizations require other users in order to be useful - please add your first user

0%

Add New Teammates

Search by Username or email

Developer

Select teams

Invite User

Bulk Teammate Import

Import from Github Import from CSV Download CSV Template

A credit card is required for this feature. Update in Billing & Payment Settings.

Manage Teammates

Search by Username, name or email

Reactivate Delete

	Email Address	Username	Name	# Of Teams	Role
<input type="checkbox"/>	950019104012@smartinternz.com	Ganesan123	Ganesan123	2	Admin

26°C Cloudy

Search

ENG IN

13:15 13/11/2022