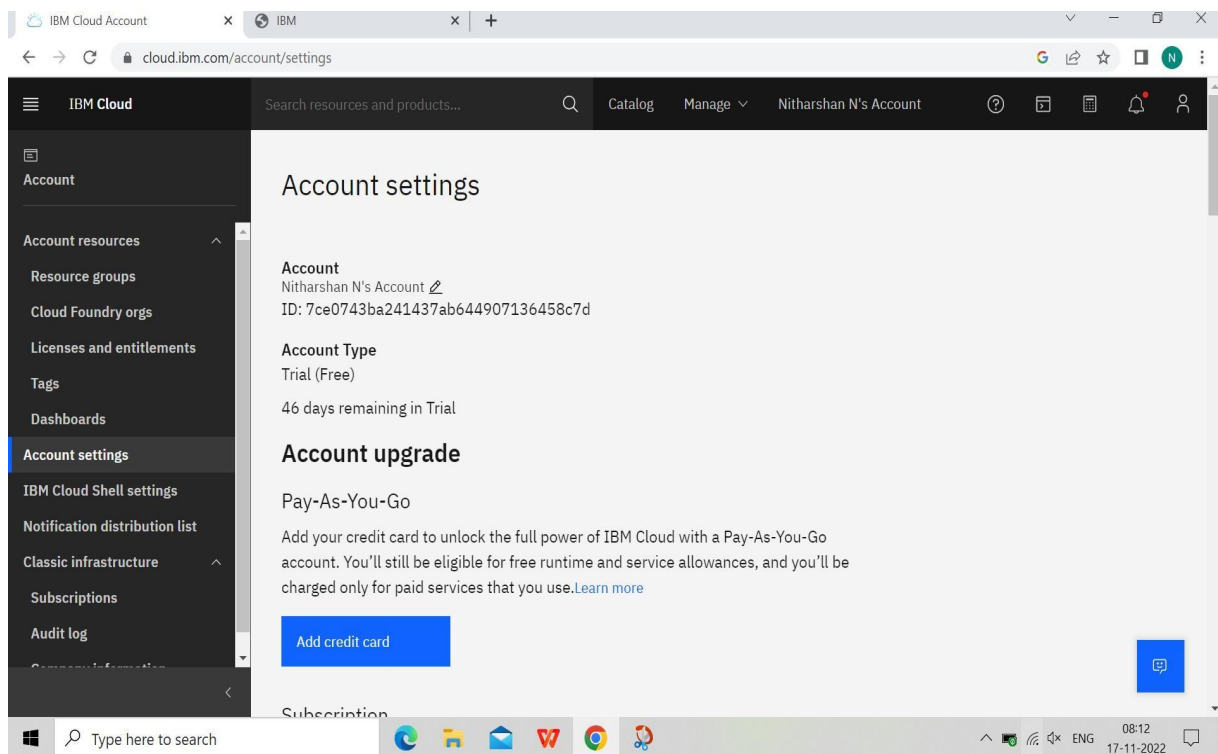


TEAM ID	PNT2022TMID26520
PROJECT NAME	Inventory Management System for Retailers
DOCUMENT TYPE	Setting up with Environment

1. Create IBM Cloud Account



2. Docker Installation

```
C:\WINDOWS\system32\cmd.exe
build      Build an image from a Dockerfile
commit     Create a new image from a container's changes
cp         Copy files/folders between a container and the local filesystem
create     Create a new container
diff       Inspect changes to files or directories on a container's filesystem
events     Get real time events from the server
exec       Run a command in a running container
export     Export a container's filesystem as a tar archive
history    Show the history of an image
images     List images
import     Import the contents from a tarball to create a filesystem image
info       Display system-wide information
inspect    Return low-level information on Docker objects
kill       Kill one or more running containers
load       Load an image from a tar archive or STDIN
login      Log in to a Docker registry
logout     Log out from a Docker registry
logs       Fetch the logs of a container
pause     Pause all processes within one or more containers
port       List port mappings or a specific mapping for the container
ps         List containers
pull      Pull an image or a repository from a registry
push      Push an image or a repository to a registry
rename     Rename a container
restart    Restart one or more containers
rm         Remove one or more containers
rmi       Remove one or more images
run        Run a command in a new container
save       Save one or more images to a tar archive (streamed to STDOUT by default)
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

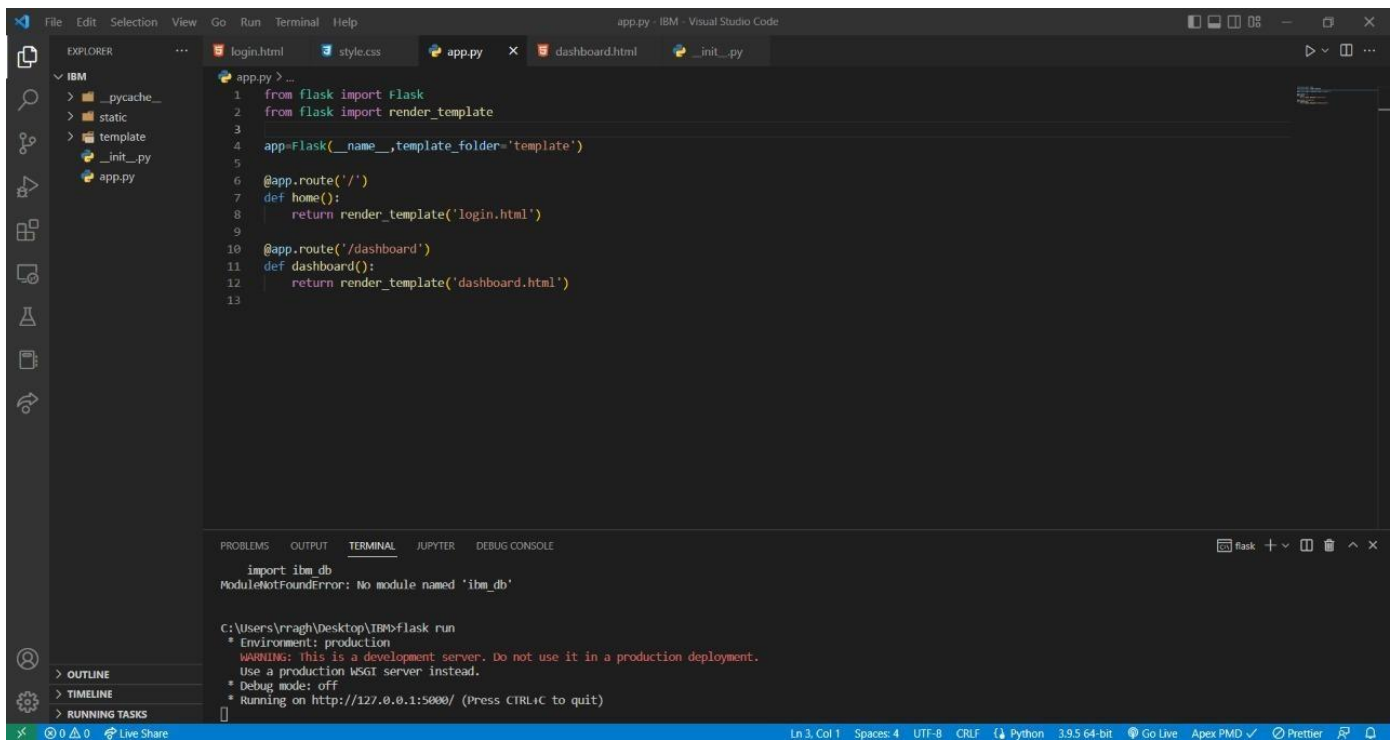
Run 'docker COMMAND --help' for more information on a command.

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

C:\Users\rnagh>docker --version
Docker version 20.10.17, build 100c701

C:\Users\rnagh>
```

3) Create Flask Project

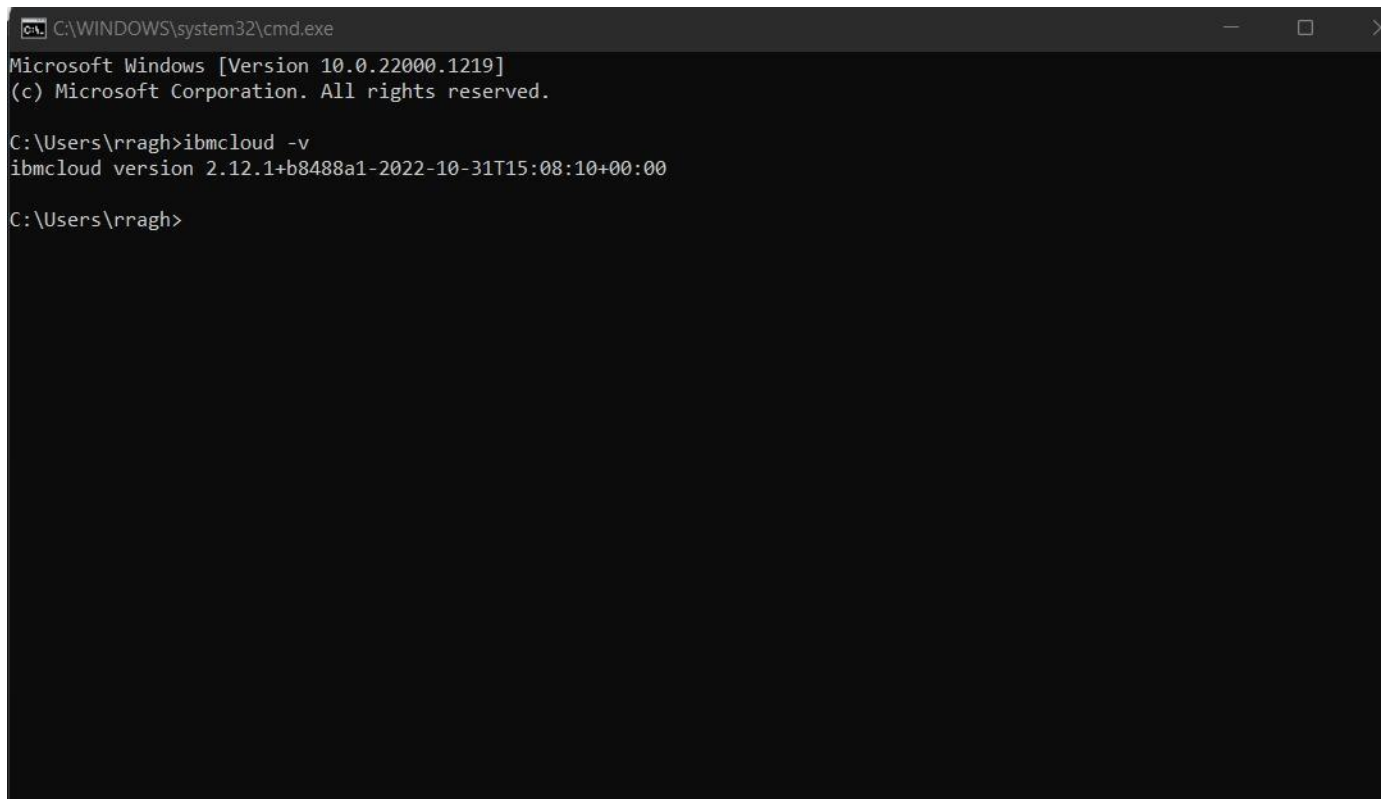


```
app.py > ...
1 from flask import Flask
2 from flask import render_template
3
4 app=Flask(__name__,template_folder='template')
5
6 @app.route('/')
7 def home():
8     return render_template('login.html')
9
10 @app.route('/dashboard')
11 def dashboard():
12     return render_template('dashboard.html')
13
```

```
import ibm_db
ModuleNotFoundError: No module named 'ibm_db'

C:\Users\rnragh\Desktop\IBM>flask run
* Environment: production
* WARNING: This is a development server. Do not use it in a production deployment.
  Use a production WSGI server instead.
* Debug mode: off
* Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
```

4) IBM CLOUD CLI



```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 10.0.22000.1219]
(c) Microsoft Corporation. All rights reserved.

C:\Users\rnragh>ibmcloud -v
ibmcloud version 2.12.1+b8488a1-2022-10-31T15:08:10+00:00

C:\Users\rnragh>
```


5. Create an Sendgrid account

← → ↻

app.sendgrid.com/settings/sender_auth/senders

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Activity

Suppressions ▾

Settings ▾

Account Details

Alert Settings

API Keys

Sender Authentication /

Single Sender Verification ⓘ

Create New Sender

SENDERS	ADDRESS	NICKNAME	VERIFIED	ACTIONS
<div>Raghavan</div> <div><div>FROM</div>raghavan.v.2019.ece@ritchennai.edu.in</div> <div><div>REPLY</div>nitharshan.n.2019.ece@ritchennai.edu.in</div>	Rit Chennai, IND	Raghavan	✓	⋮