

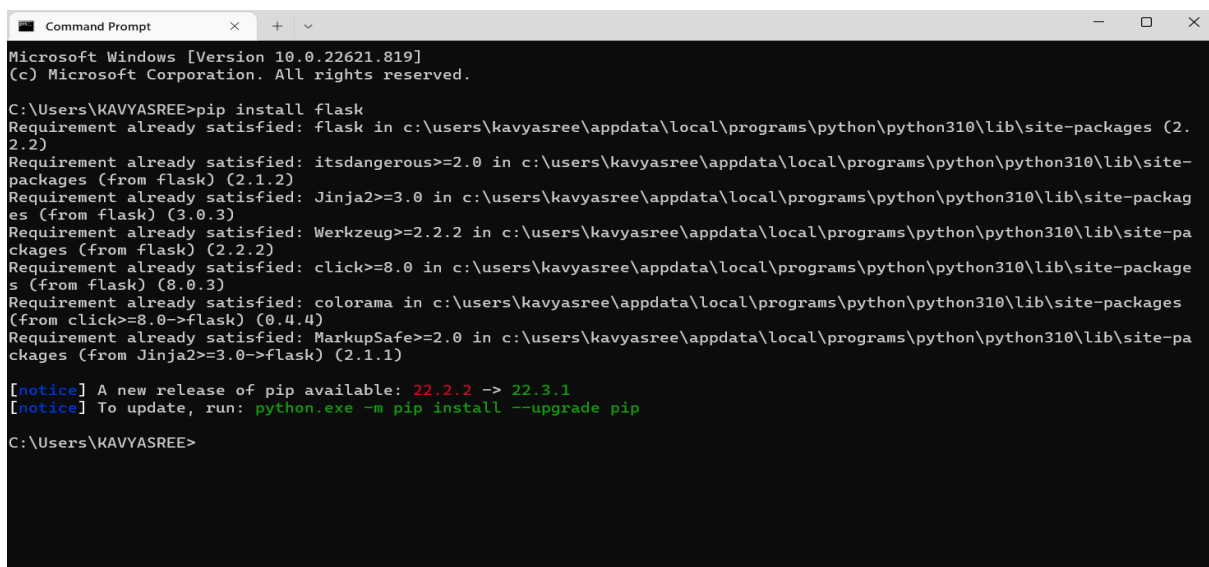
# SETTING UP APPLICATION ENVIRONMENT

Team ID	PNT2022TMID08572
Project Name	Inventory Management System for Retailers

## TASK

- Create Flask Project
- Create IBM Cloud Account
- Install IBM Cloud CLI
- Docker CLI Installation
- Create An Account In SendGrid

## 1.CREATE FLASK PROJECT:

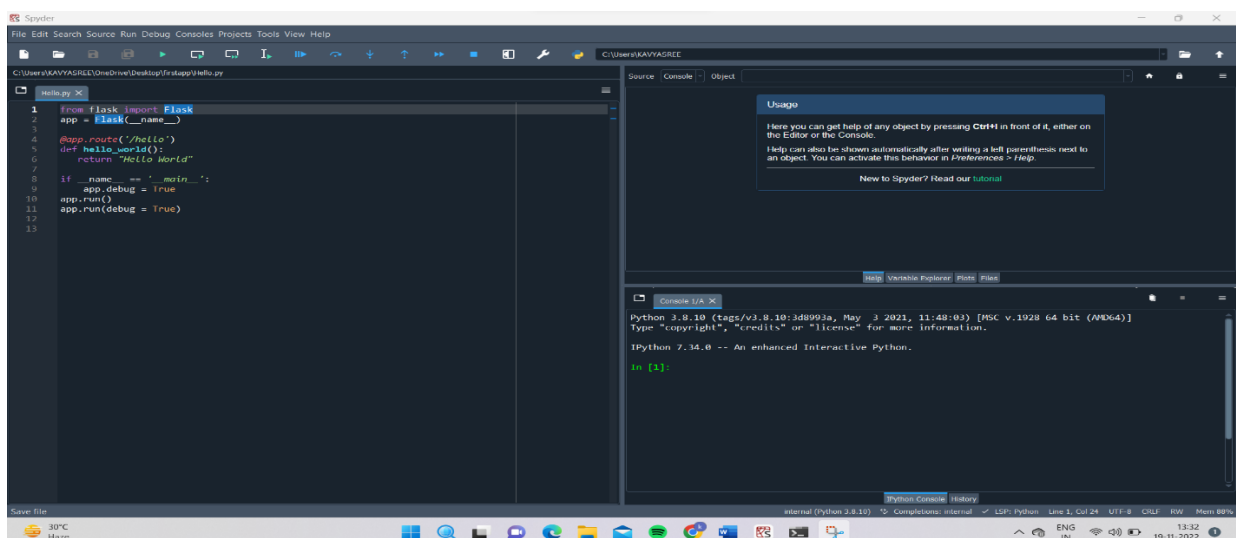


```
Microsoft Windows [Version 10.0.22621.819]
(c) Microsoft Corporation. All rights reserved.

C:\Users\KAVYASREE>pip install flask
Requirement already satisfied: flask in c:\users\kavyasree\appdata\local\programs\python\python310\lib\site-packages (2.2.2)
Requirement already satisfied: itsdangerous>=2.0 in c:\users\kavyasree\appdata\local\programs\python\python310\lib\site-packages (2.1.2)
Requirement already satisfied: Jinja2>=3.0 in c:\users\kavyasree\appdata\local\programs\python\python310\lib\site-packages (from flask) (3.0.3)
Requirement already satisfied: Werkzeug>=2.2.2 in c:\users\kavyasree\appdata\local\programs\python\python310\lib\site-packages (from flask) (2.2.2)
Requirement already satisfied: click>=8.0 in c:\users\kavyasree\appdata\local\programs\python\python310\lib\site-packages (from flask) (8.0.3)
Requirement already satisfied: colorama in c:\users\kavyasree\appdata\local\programs\python\python310\lib\site-packages (from click>=8.0->flask) (0.4.4)
Requirement already satisfied: MarkupSafe>=2.0 in c:\users\kavyasree\appdata\local\programs\python\python310\lib\site-packages (from Jinja2>=3.0->flask) (2.1.1)

[notice] A new release of pip available: 22.2.2 -> 22.3.1
[notice] To update, run: python.exe -m pip install --upgrade pip

C:\Users\KAVYASREE>
```



```
1 from flask import Flask
2 app = Flask(__name__)
3
4 @app.route('/')
5 def hello_world():
6     return "Hello World"
7
8 if __name__ == '__main__':
9     app.debug = True
10    app.run()
11    app.run(debug = True)
12
13
```

Usage

Here you can get help of any object by pressing **Ctrl+H** in front of it, either on the Editor or the Console.

Help can also be shown automatically after writing a left parenthesis next to an object. You can activate this behavior in **Preferences > Help**.

[New to Spyder? Read our tutorial](#)

Python 3.8.10 (tags/v3.8.10:3d8993a, May 3 2021, 11:48:03) [MSC v.1928 64 bit (AMD64)]  
Type "copyright", "credits" or "license()" for more information.

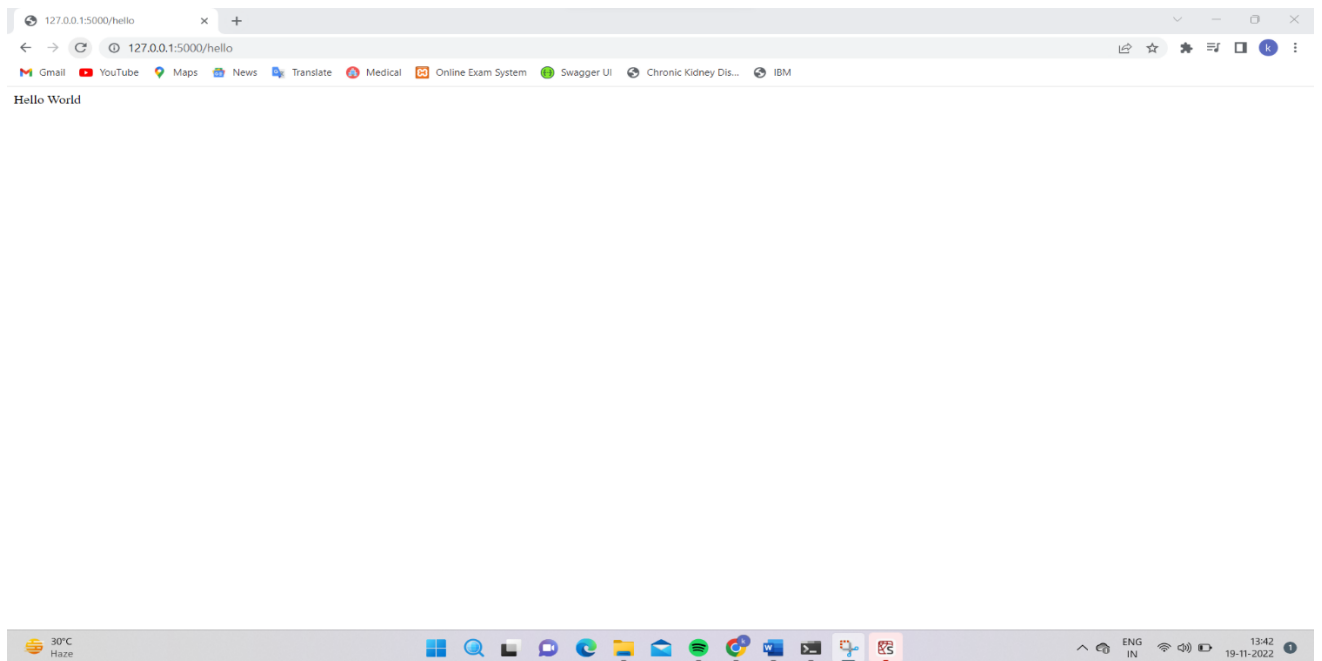
IPython 7.34.0 -- An enhanced Interactive Python.

In [1]:

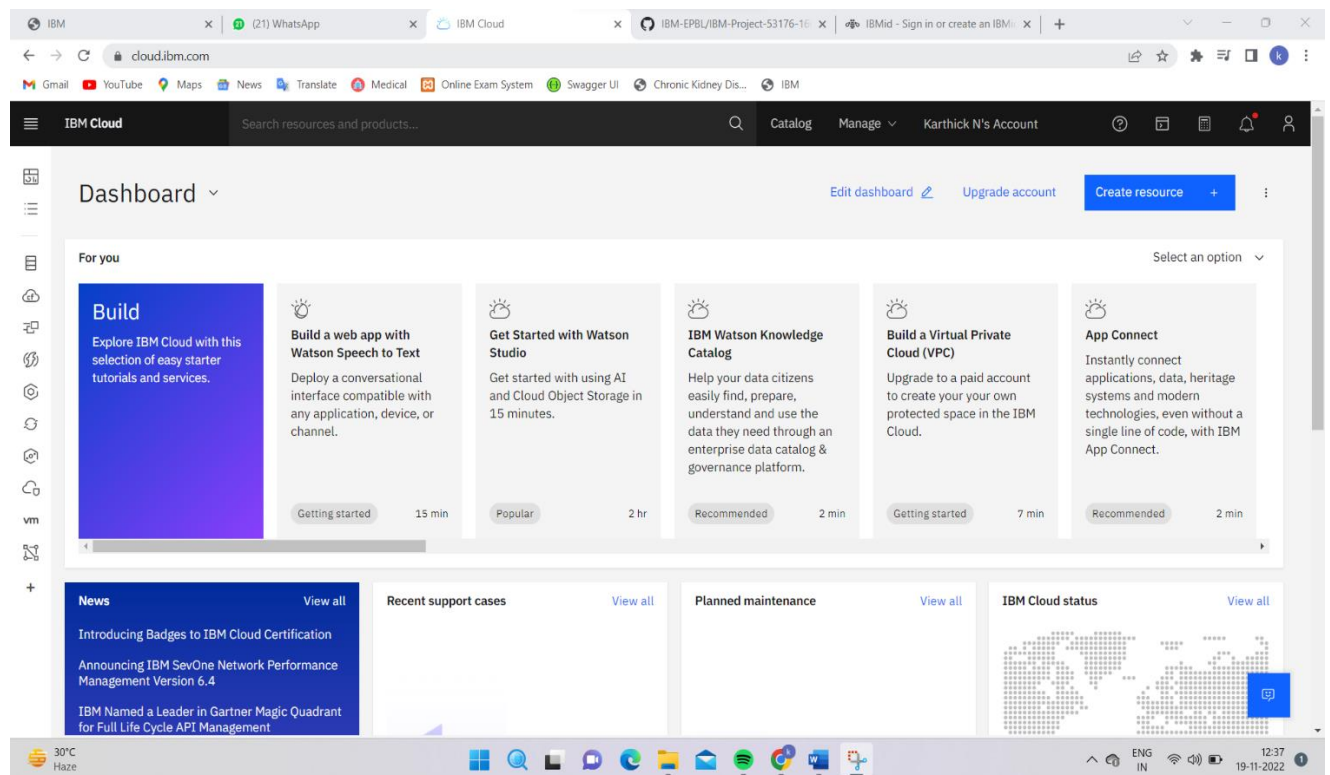
```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

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

PS C:\Users\KAVVASREE\OneDrive\Desktop\firstapp> ^C
PS C:\Users\KAVVASREE\OneDrive\Desktop\firstapp> Python Hello.py
* Serving Flask app 'Hello'
* Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:5880
Press CTRL+C to quit
* Restarting with stat
* Debugger is active!
* Debugger PIN: 569-606-676
127.0.0.1 - - [19/Nov/2022 13:26:59] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [19/Nov/2022 13:27:00] "GET /favicon.ico HTTP/1.1" 404 -
* Detected change in 'C:\Users\KAVVASREE\OneDrive\Desktop\firstapp\Hello.py', reloading
* Restarting with stat
* Debugger is active!
* Debugger PIN: 569-606-676
127.0.0.1 - - [19/Nov/2022 13:30:43] "GET /hello HTTP/1.1" 200 -
```



## 2. IBM ACCOUNT CREATION:



## 3. INSTALL IBM CLOUD CLI:

```
MSI42e6c - Notepad
File Edit Format View Help
=== Verbose logging started: 10-11-2022 10:03:38 Build type: SHIP UNICODE 5.00.10011.00 Calling process: C:\WINDOWS\system32\MSIEXEC.EXE ===
MSI (c) (DC:18) [10:03:39:225]: Font created. Charset: Req=0, Ret=0, Font: Req=MS Shell Dlg, Ret=MS Shell Dlg

MSI (c) (DC:18) [10:03:39:233]: Font created. Charset: Req=0, Ret=0, Font: Req=MS Shell Dlg, Ret=MS Shell Dlg

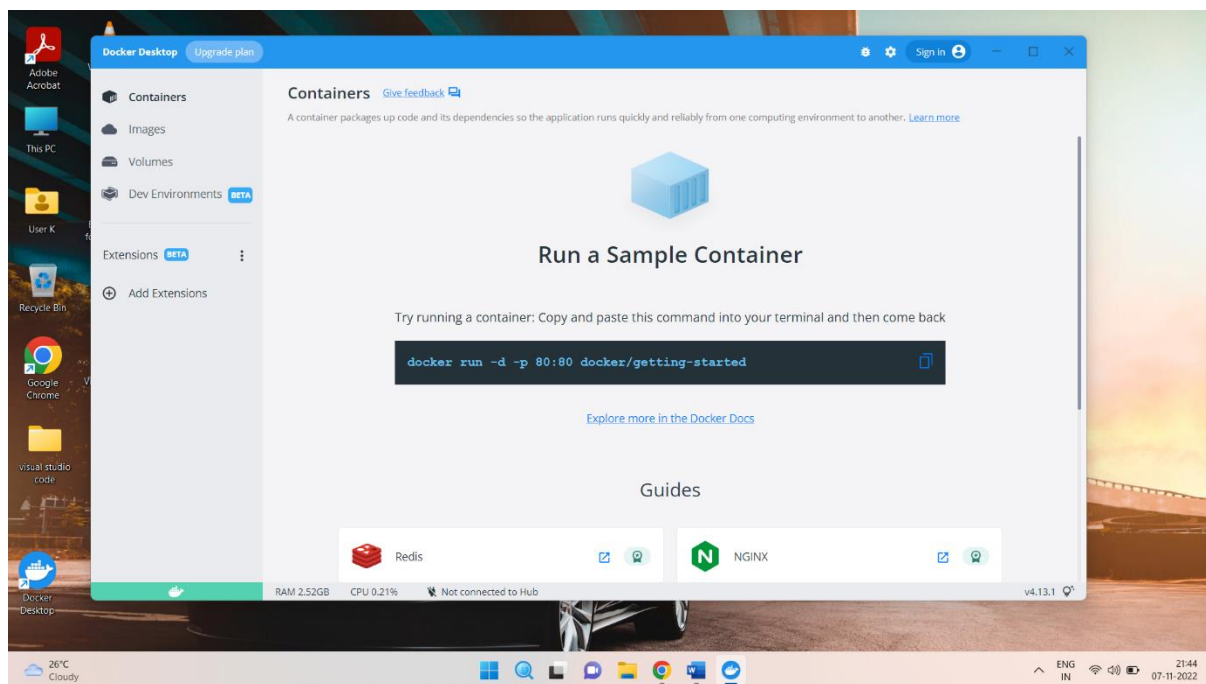
MSI (c) (DC:F0) [10:03:39:479]: Resetting cached policy values
MSI (c) (DC:F0) [10:03:39:479]: Machine policy value 'Debug' is 0
MSI (c) (DC:F0) [10:03:39:479]: ***** RunEngine:
***** Product: C:\Users\VICTOR\AppData\Local\Temp\{C86AEC8C-8AB1-4111-A148-5435E814BD3F}\IBM_Cloud_CLI.msi
***** Action:
***** CommandLine: *****
MSI (c) (DC:F0) [10:03:39:499]: Machine policy value 'DisableUserInstalls' is 0
MSI (c) (DC:F0) [10:03:39:840]: Cloaking enabled.
MSI (c) (DC:F0) [10:03:39:851]: Attempting to enable all disabled privileges before calling Install on Server
MSI (c) (DC:F0) [10:03:39:864]: End dialog not enabled
MSI (c) (DC:F0) [10:03:39:864]: Original package ==> C:\Users\VICTOR\AppData\Local\Temp\{C86AEC8C-8AB1-4111-A148-5435E814BD3F}\IBM_Cloud_CLI.msi
MSI (c) (DC:F0) [10:03:39:864]: Package we're running from ==> C:\WINDOWS\Installer\48d983b.msi
MSI (c) (DC:F0) [10:03:39:868]: APPCOMPAT: Uninstall Flags override found.
MSI (c) (DC:F0) [10:03:39:874]: APPCOMPAT: Uninstall VersionNT override found.
MSI (c) (DC:F0) [10:03:39:874]: APPCOMPAT: Uninstall ServicePackLevel override found.
MSI (c) (DC:F0) [10:03:39:886]: APPCOMPAT: looking for appcompat database entry with ProductCode '{8426743C-4659-4029-A5FD-83B8E06DF901}'.
MSI (c) (DC:F0) [10:03:39:932]: APPCOMPAT: no matching ProductCode found in database.
MSI (c) (DC:F0) [10:03:40:015]: MSCOREE not loaded loading copy from system32
MSI (c) (DC:F0) [10:03:40:429]: Machine policy value 'DisablePatch' is 0
MSI (c) (DC:F0) [10:03:40:429]: Machine policy value 'AllowLockdownPatch' is 0
MSI (c) (DC:F0) [10:03:40:429]: Machine policy value 'DisableLUAPatching' is 0
MSI (c) (DC:F0) [10:03:40:429]: Machine policy value 'DisableFlyWeightPatching' is 0
MSI (c) (DC:F0) [10:03:40:440]: APPCOMPAT: looking for appcompat database entry with ProductCode '{8426743C-4659-4029-A5FD-83B8E06DF901}'.
MSI (c) (DC:F0) [10:03:40:441]: APPCOMPAT: no matching ProductCode found in database.
MSI (c) (DC:F0) [10:03:40:441]: Transforms are not secure.
MSI (c) (DC:F0) [10:03:40:441]: PROPERTY CHANGE: Adding MsiLogFileLocation property. Its value is 'C:\Users\VICTOR\AppData\Local\Temp\MSI42e6c.LOG'.
MSI (c) (DC:F0) [10:03:40:441]: Command Line: SETUPEXEDIR=C:\Users\VICTOR\Downloads SETUPEXENAME=IBM_Cloud_CLI_2.11.1_amd64.exe CURRENTDIRECTORY=C:\WINDOWS\system32 CLI
MSI (c) (DC:F0) [10:03:40:441]: PROPERTY CHANGE: Adding PackageCode property. Its value is '{8A897A7E-0A44-4116-991D-07F966730D83}'.
MSI (c) (DC:F0) [10:03:40:441]: Product Code passed to Engine.Initialize: '{8426743C-4659-4029-A5FD-83B8E06DF901}'
MSI (c) (DC:F0) [10:03:40:441]: Product Code from property table before transforms: '{8426743C-4659-4029-A5FD-83B8E06DF901}'
MSI (c) (DC:F0) [10:03:40:441]: Product Code from property table after transforms: '{8426743C-4659-4029-A5FD-83B8E06DF901}'
Ln 1, Col 1 100% Windows (CRLF) UTF-16 LE
10:04 AM 10-11-2022
```

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

Try the new cross-platform PowerShell https://aka.ms/powershell

PS C:\WINDOWS\system32> iex (New-Object Net.WebClient).DownloadString('https://cli.cloud.ibm.com/install/powershell')
Download complete. Executing installer...
Install complete. Please restart to make the modification effective.
PS C:\WINDOWS\system32> ibmcloud update
Checking for updates...
No update required. Your CLI is already up-to-date.
To view available plugin updates, run 'C:\Program Files\IBM\Cloud\bin\ibmcloud.exe plugin list'.
PS C:\WINDOWS\system32> ibmcloud
C:\Program Files\IBM\Cloud\bin\ibmcloud.exe version 2.12.1+b8488a1-2022-10-31T15:08:10+00:00
PS C:\WINDOWS\system32>
```

## 4.DOCKER CLI INSTALLATION:



## 5.CREATE AN ACCOUNT IN SENDGRID:

The screenshot shows the Twilio SendGrid welcome page in a web browser. The browser's address bar displays the URL `app.sendgrid.com/guide?from=profile&integrate=true`. The page features a sidebar on the left with navigation links: Dashboard, Email API, Marketing, Design Library, Stats, Activity, Suppressions, Settings, and Twilio SMS. The main content area is titled "Welcome, kaviyambikai!" and includes a sub-header "Send your first emails with Twilio SendGrid". Below this, a section titled "Create a sender identity" explains that a sender identity is needed before sending emails. It offers two options: "Create a Single Sender" (highlighted with a blue button) and "Authenticate a domain instead". A diagram illustrates the sender identity as the "from" email address. At the bottom, a section titled "Send your first email" prompts the user to create a sender identity first. The browser's taskbar at the bottom shows the system clock as 11:48 on 09-11-2022, with a temperature of 30°C and a cloudy sky.

IBM

Course | CC0101EN | ICT A- | <https://cloud.ibm.com/regi-> | IBM-Project-48229-166080 | (21) WhatsApp | SendGrid

[app.sendgrid.com/guide?from=profile&integrate=true](#)

Gmail YouTube Maps News Translate Medical Online Exam System Swagger UI Chronic Kidney Dis... IBM

kaviyambikai Pon...

Dashboard

Email API

Marketing

Design Library

Stats

Activity

Suppressions

Settings

Twilio SMS **NEW**

## Welcome, kaviyambikai!

To get up and running quickly, please follow the steps outlined below.

### Send your first emails with Twilio SendGrid

#### Create a sender identity

Before sending email, you'll need to create a sender identity. There are [two ways](#) to do this, but we recommend creating a Single Sender to get set up quickly and test your email integration.

Your sender identity is the "from" email address your recipients will see in their inbox. [Learn more](#) about this.

**Create a Single Sender** Authenticate a domain instead

Your Business <jana.doe@your\_business.com>  
to me

#### Send your first email

Please create a sender identity before sending your first email.

assignment3.txt assignment4.txt

30°C Cloudy

ENG IN 11:48 09-11-2022

Show desktop