

# SETTING UP APPLICATION ENVIRONMENT

## 1. SENDGRID ACCOUNT CREATION:

Step1: click the link

The screenshot shows a project management interface with three tabs: PROJECT DETAILS, TASK & PROGRESS, and MENTOR REVIEW. Under PROJECT DETAILS, the 'News Tracker Application' is selected, showing a list of tasks. The 'Setting Up Application Environment' task is expanded, listing several steps: 'Create Flask Project', 'Create IBM Cloud Account', 'Install IBM Cloud CLI', 'Docker CLI Installation', 'Create An Account In Sendgrid', 'Visit The Page And Create Account', and 'Implementing Web Application'. The 'Create An Account In Sendgrid' task is highlighted. The TASK & PROGRESS tab shows the Twilio SendGrid logo and a description of the service, along with a link to <https://sendgrid.com/>.

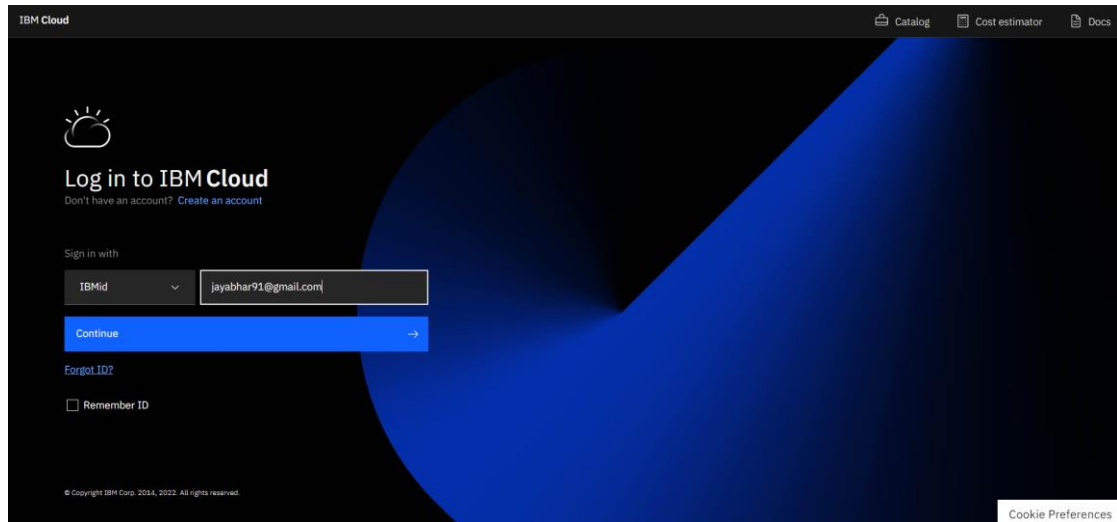
Step 2: Sendgrid account created

The screenshot shows the Twilio SendGrid dashboard for user JAYA NEELAKANT. The dashboard includes a sidebar with navigation links: Dashboard, Email API, Marketing, Design Library, Stats, Activity, Suppressions, Settings, and Twilio SMS. The main content area displays a 'Welcome, JAYA!' message and a 'Send your first emails with Twilio SendGrid' banner. Below the banner, the 'Create a sender identity' section is visible, explaining that a sender identity is needed before sending emails. It offers two options: 'Create a Single Sender' and 'Authenticate a domain instead'. A 'Send your first email' section at the bottom prompts the user to create a sender identity before sending their first email.

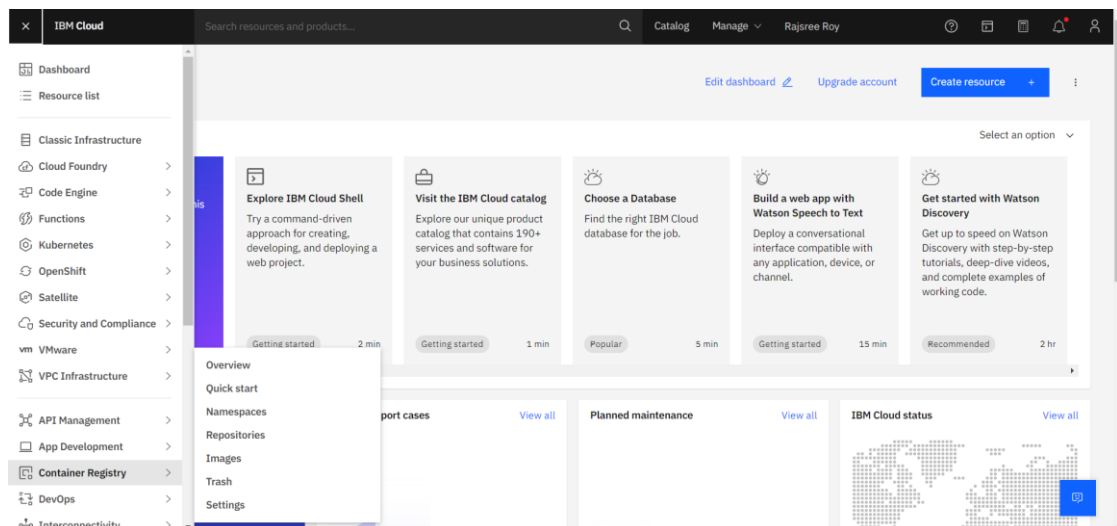
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## 2. IBM CLOUD CLI INSTALLATION:

Step1: Log in to the IBM cloud

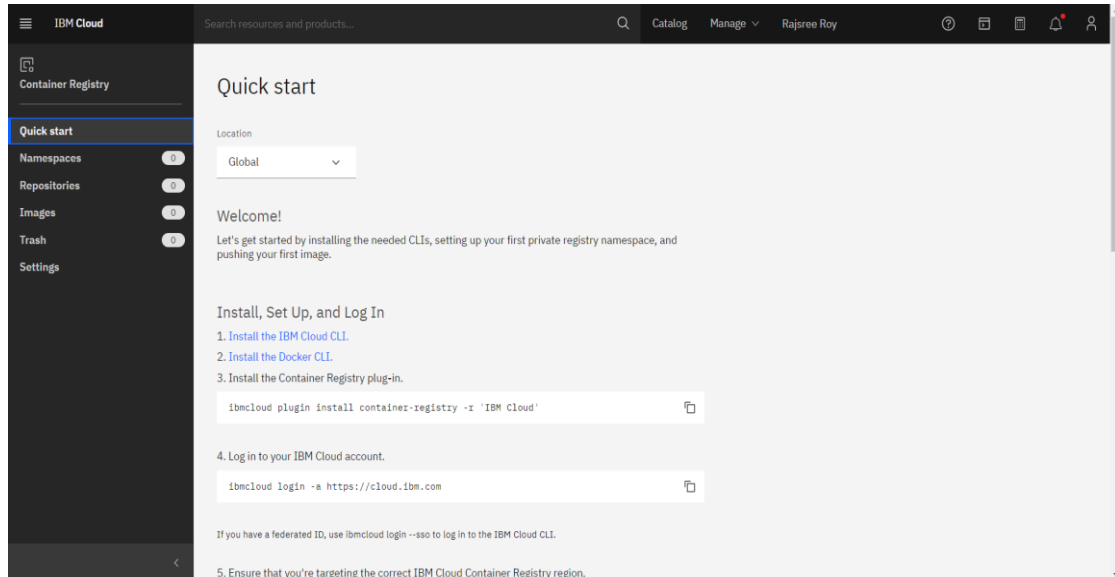


Step 2: Select container registry

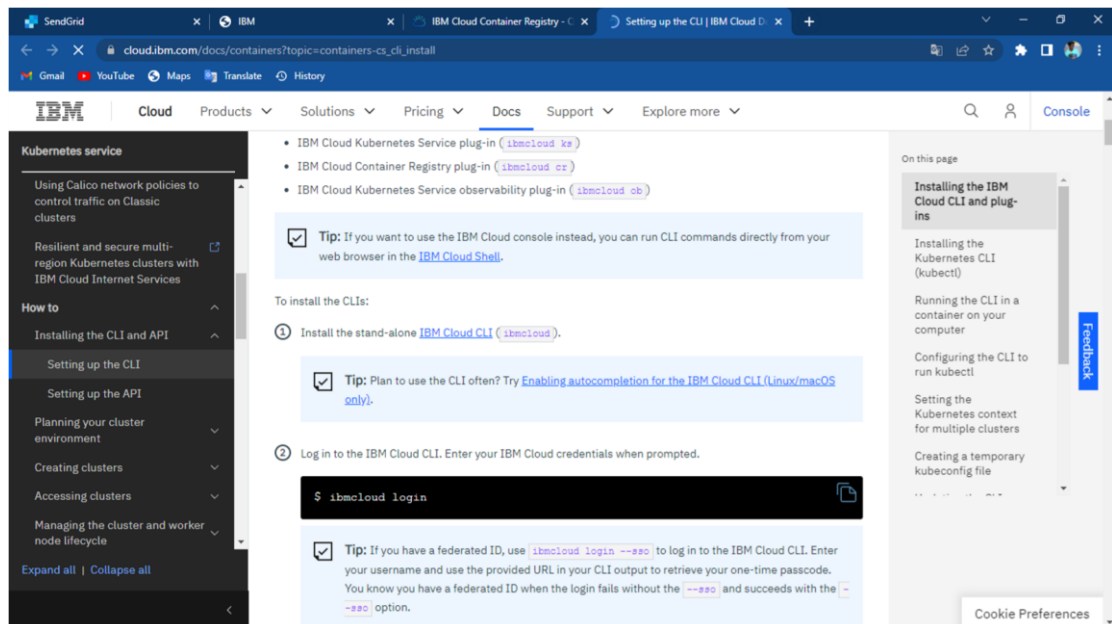


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## Step3: Select Quickstart to open container registry and click on install IBM Cloud CLI

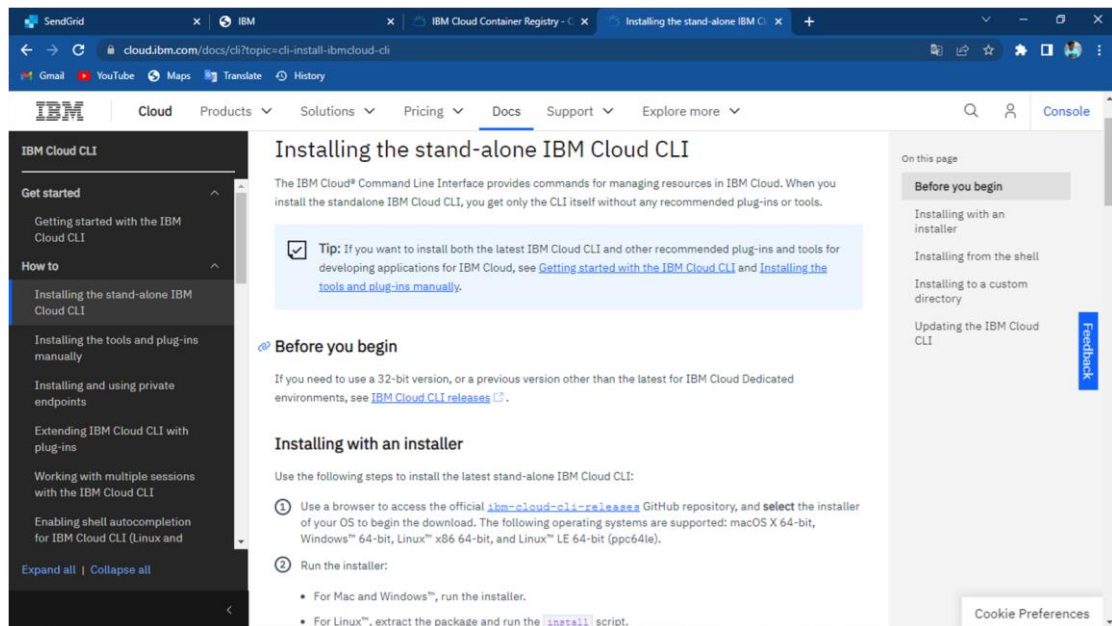


## Step 4: Click on IBM Cloud CLI

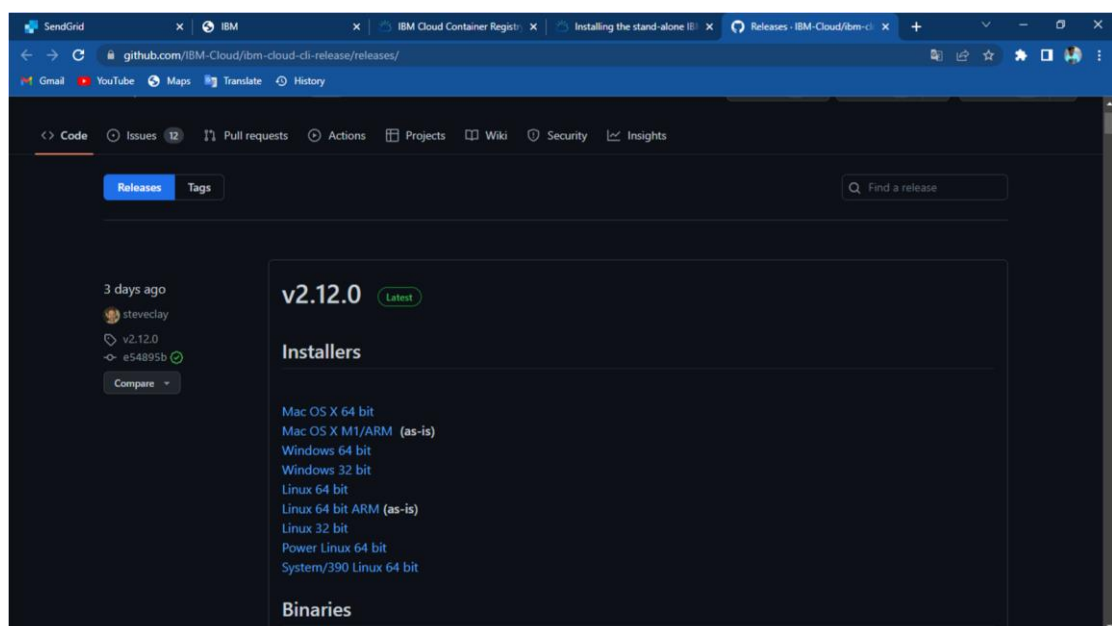


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Step 5: And then, Click on IBM Cloud CLI releases

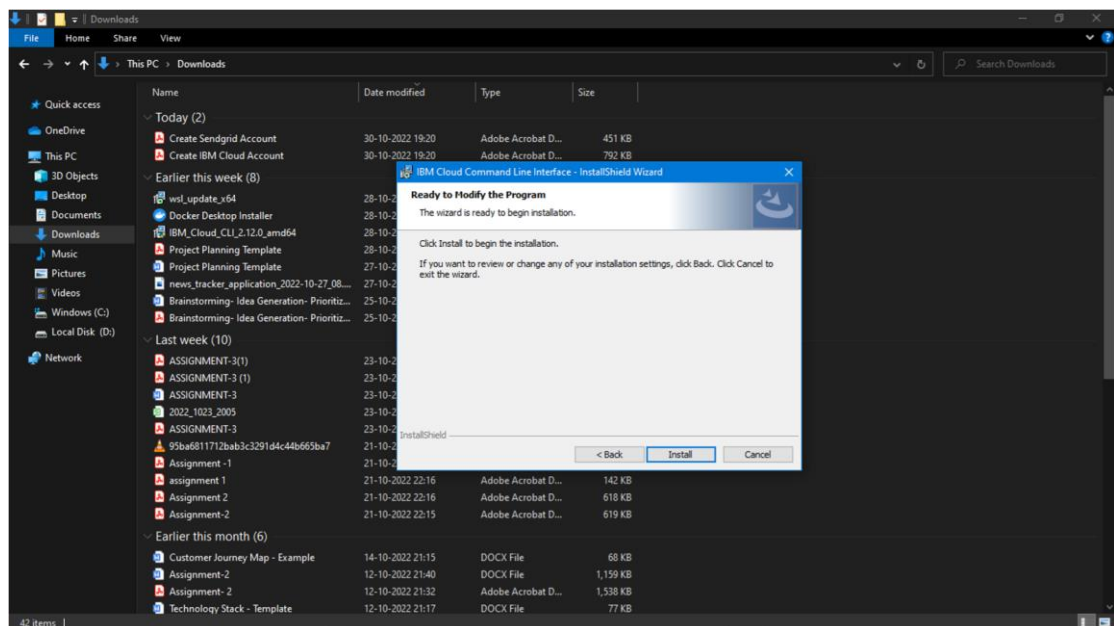
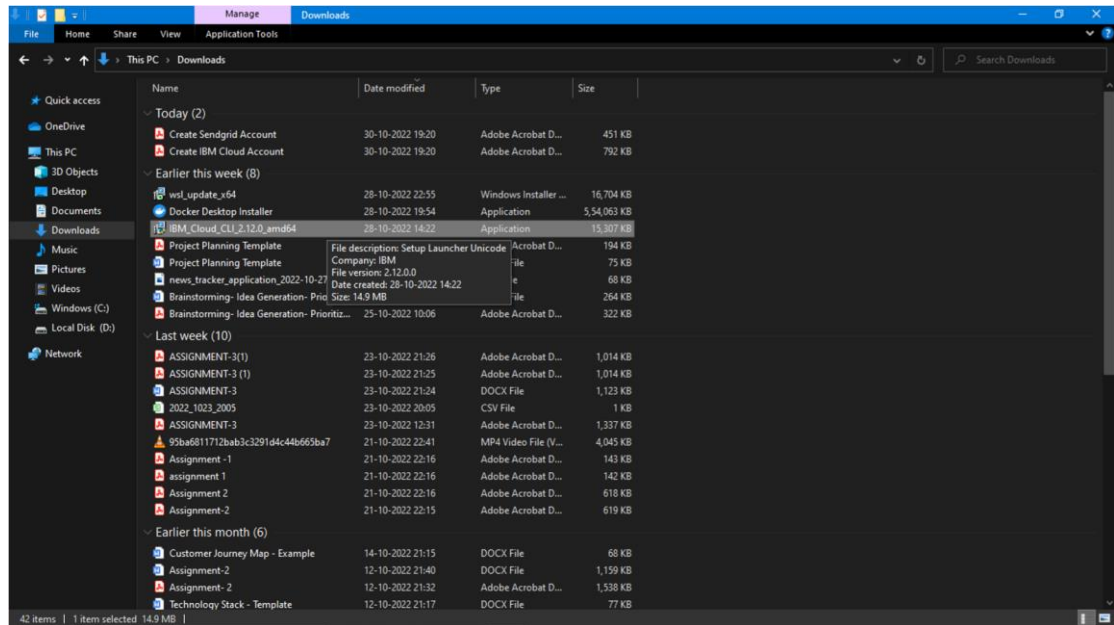


Step 6: After that, the github page will open and download the IBM CLI installer by selecting as per your system required installer.



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Step 7: After the download, Click the downloaded setup to run the installer



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Step 8 :Enter your IBM cloud email id and password ,Then it will authenticate and signals “OK”.The number of regions will displayed, select one of them for your targeted account.

```
Microsoft Windows [Version 10.0.19044.2130]
(c) Microsoft Corporation. All rights reserved.

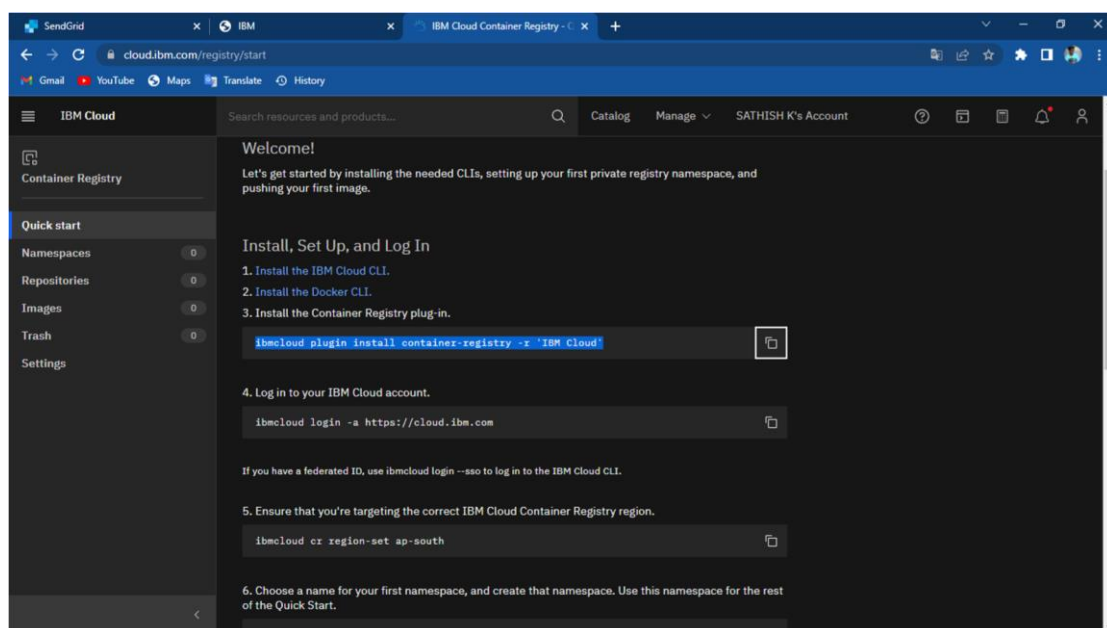
C:\Users\User>ibmcloud login
API endpoint: https://cloud.ibm.com
Region: au-syd
Email: jayabhar91@gmail.com
Password:
Authenticating...
OK
Targeted account Jaya N's Account (3ad126a306c34c09b4c3503c7f909788)

API endpoint: https://cloud.ibm.com
Region: au-syd
User: jayabhar91@gmail.com
Account: Jaya N's Account (3ad126a306c34c09b4c3503c7f909788)
Resource group: No resource group targeted, use 'ibmcloud target -g RESOURCE_GROUP'
CF API endpoint:
Org:
Space:

New version 2.12.1 is available.
Change logs: https://github.com/IBM-Cloud/ibm-cloud-cli-release/releases/tag/v2.12.1
TIP: use 'ibmcloud config --check-version=false' to disable update check.
Do you want to update? [y/N] >
```

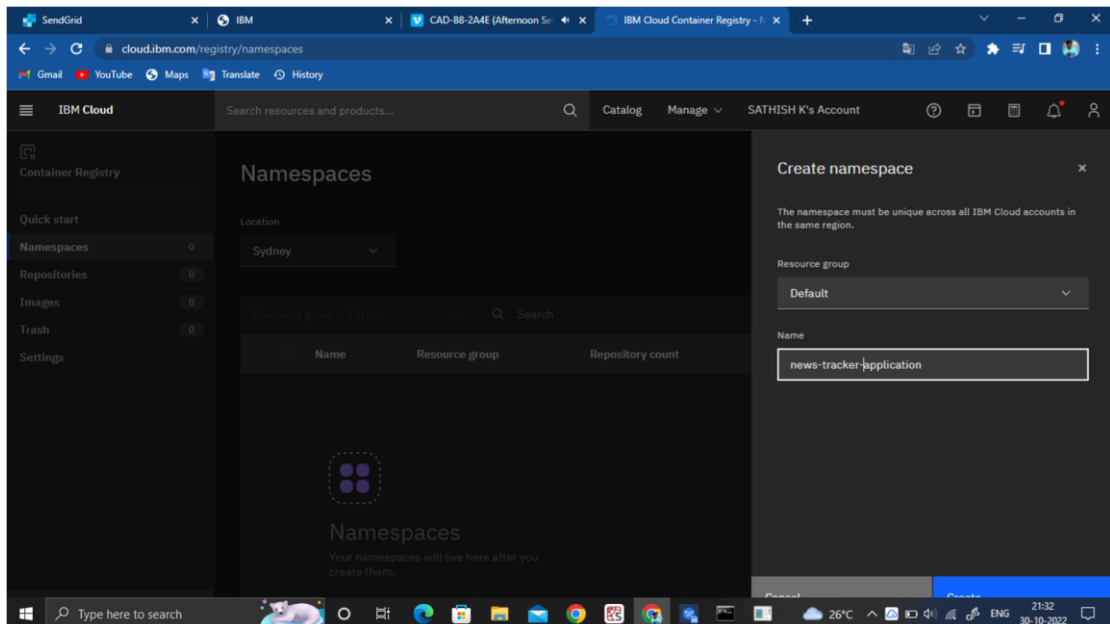
Step 9: Then copy the plugin command in your container registry (where the command displayed in your container registry which is opened on web browser) and paste and run it on cmd.

“ibmcloud plugin install container-registry -r”



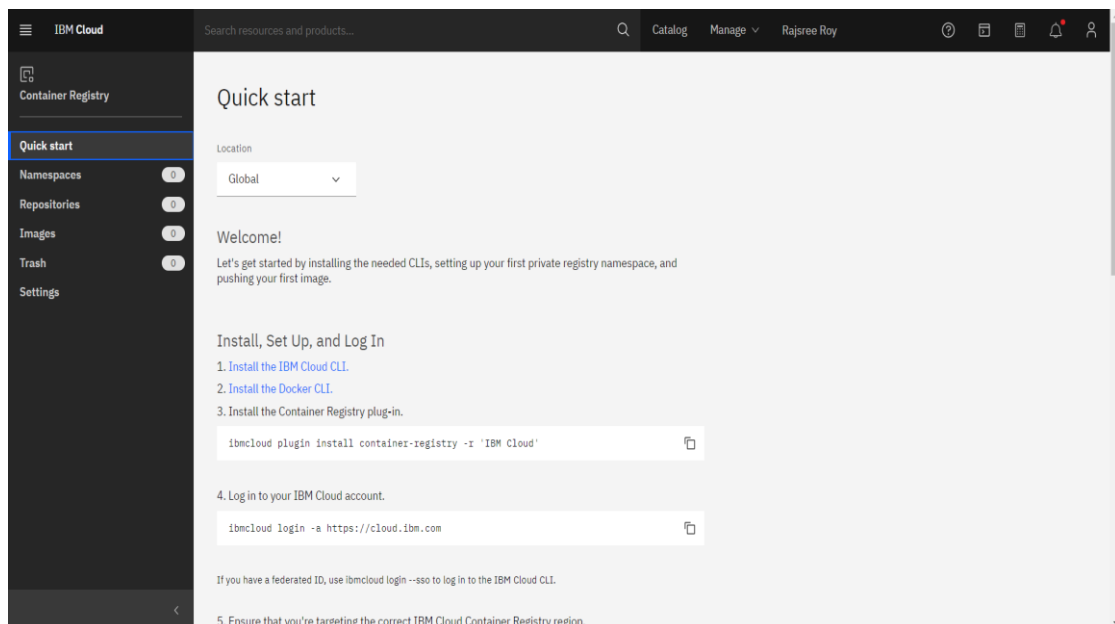
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## Step 10: Create namespace in your container registry



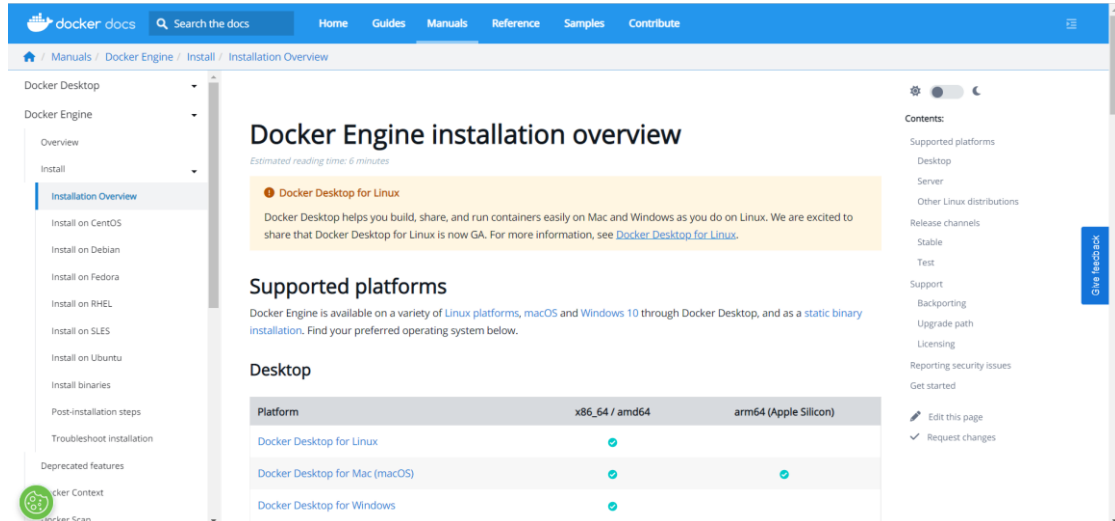
## 3. DOCKER CLI INSTALLATION:

Step 1: Open container registry in ibm cloud and click on Install Docker CLI.



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Step 2: Then, Click on required installer for your specified system and download it.



Step 3: After the setup download, run the setup and then open it and push the images, create the repository, etc....

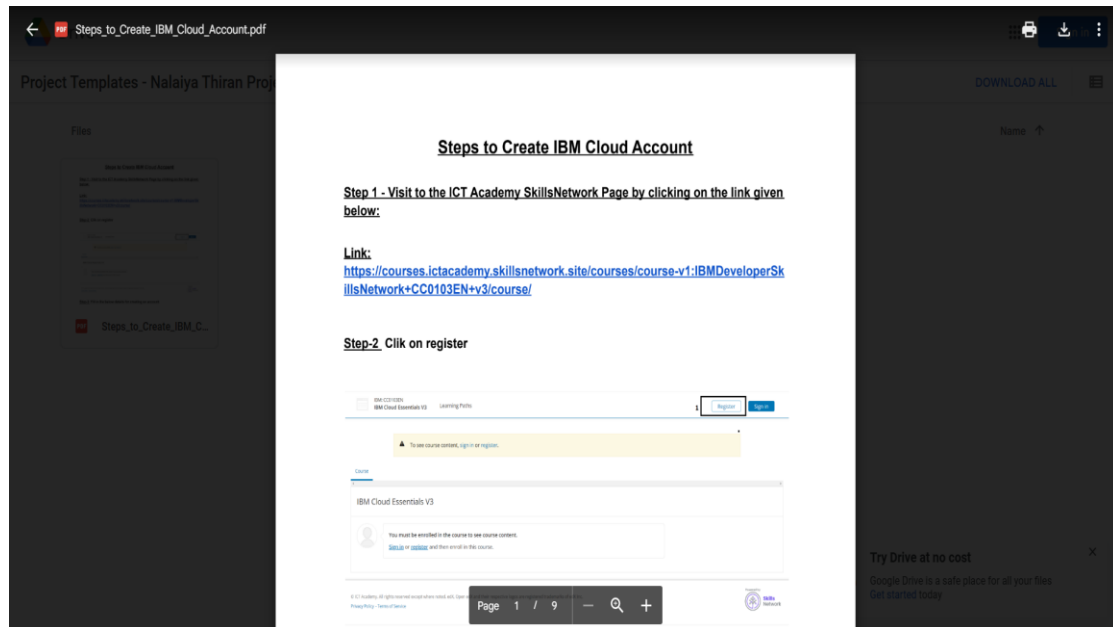




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## 4. IBM CLOUD ACCOUNT CREATION:

Step 1: Click the link





Step 2. Register


Learning Paths


Already have an ICT Academy account? [Sign in.](#)


Create an account using


 Google

 Facebook

 Twitter

 LinkedIn

 Email

 Phone

or create a new one here

Full Name

Public Username

Email

Password

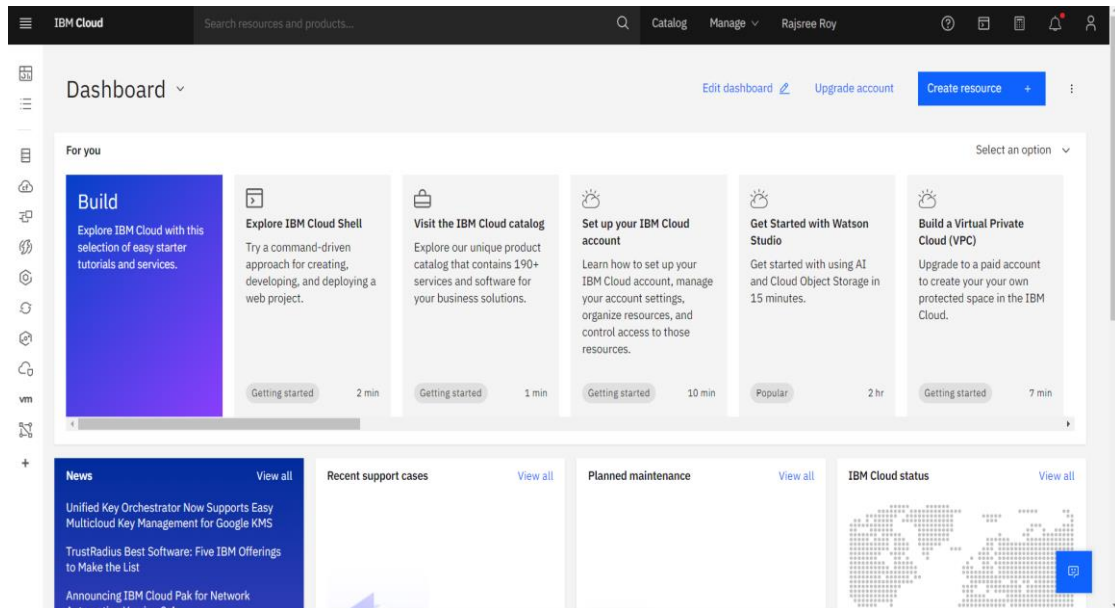
☐ I agree to the ICT Academy [Terms of Service](#)

Create Account

Asterisks (\*) indicate fields required to complete this transaction.

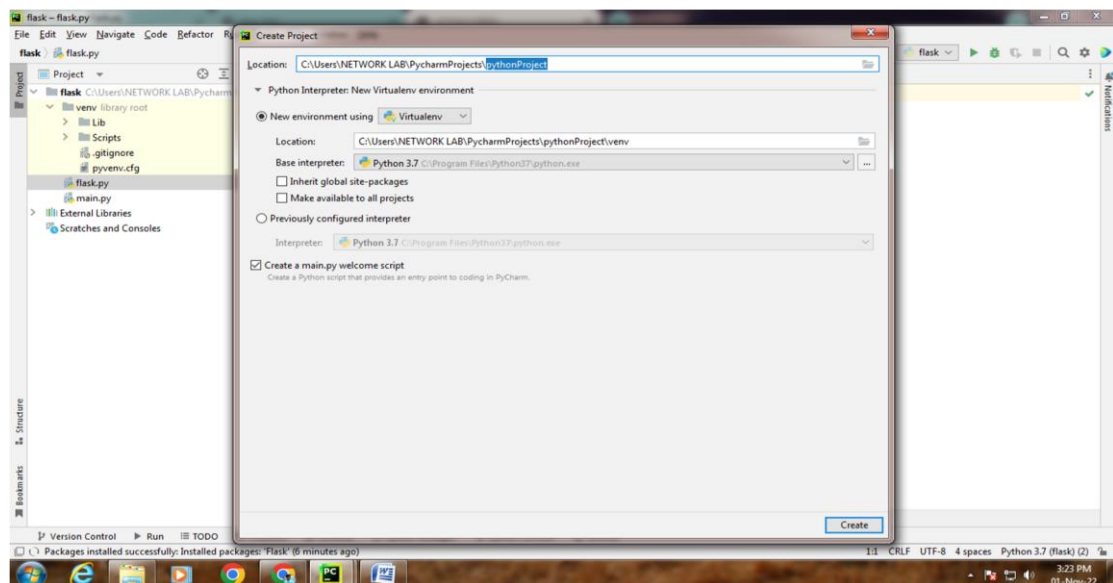
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Step 3: After following the procedure that is given in reference video, your IBM cloud account will be created.



## 5. CREATING A FLASK PROJECT:

Step 1: Open PyCharm in your desktop and create new project folder



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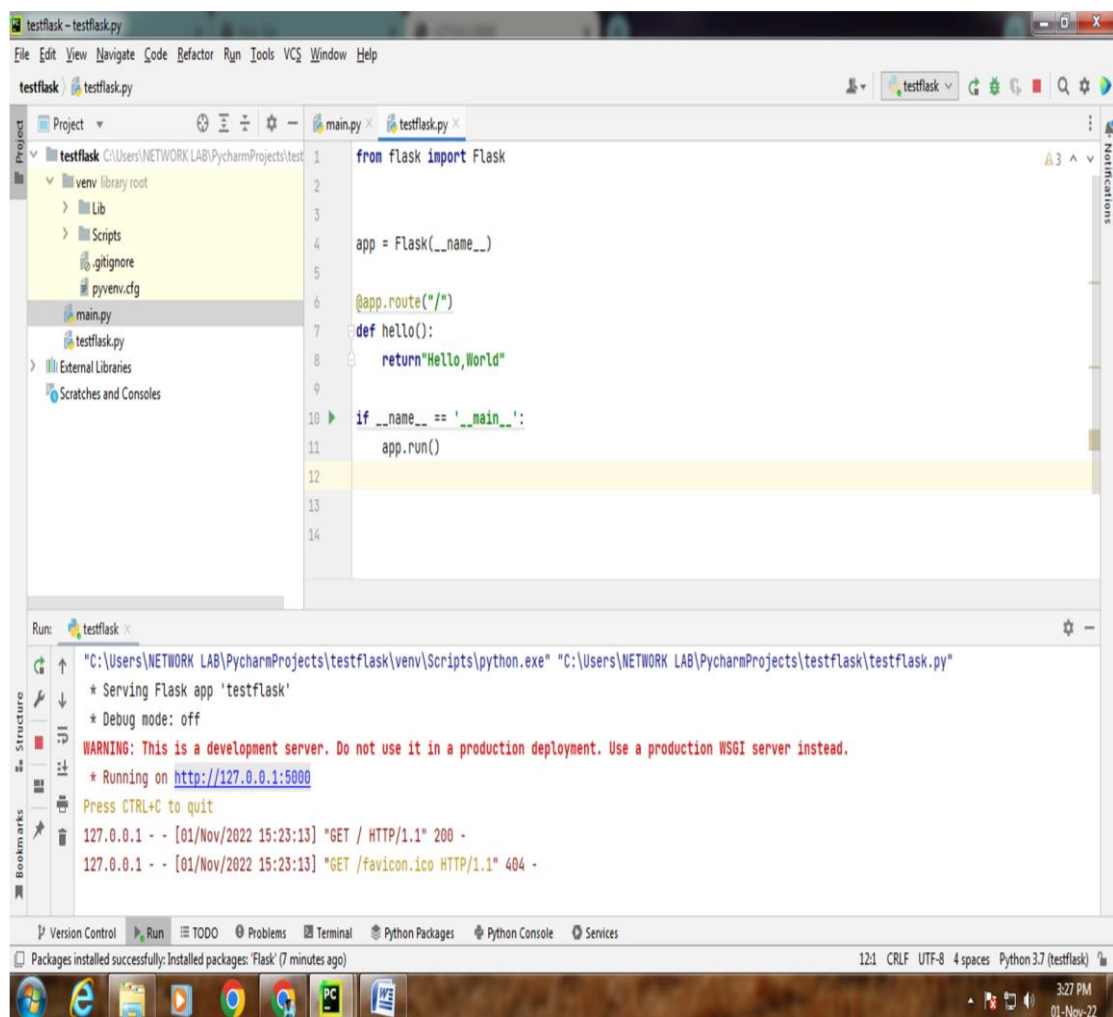
Step 2: Enter the following code to create the flask project

```
from flask import Flask

app = Flask(__name__)

@app.route("/") def
hello():
    return "Hello, World"
if __name__ == '__main__':
    app.run()
```

Step 3: Then run the code, it will show website link in terminal.



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Step 4: By clicking the link in terminal, it will show "Hello World" in the browser page.

