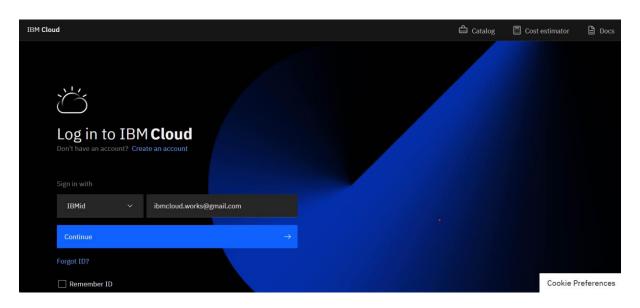
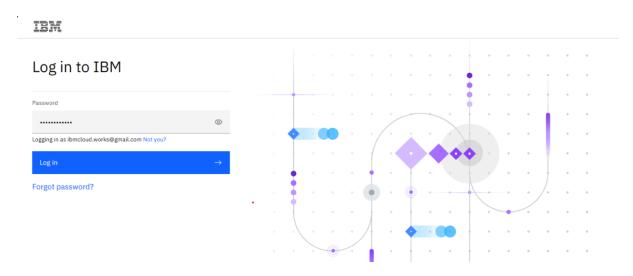
DATA PREP KIT

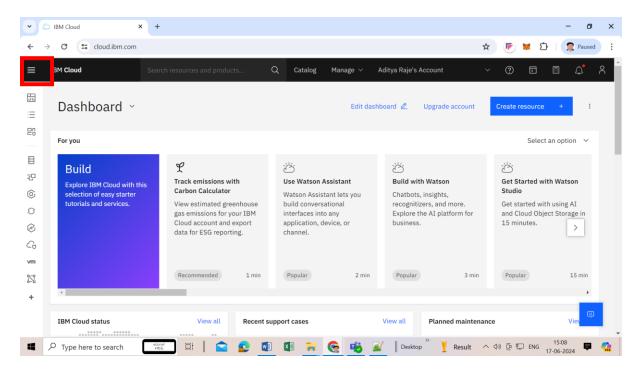
Step1: Open IBM Cloud login page with this link cloud.ibm.com, enter your Gmail and click on Continue



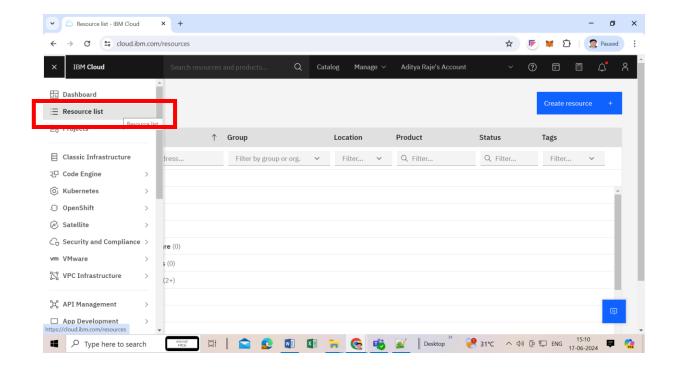
Step 2: Enter your IBM Academic portal password, Click on Login



Step 3: This is IBM Cloud Dash board

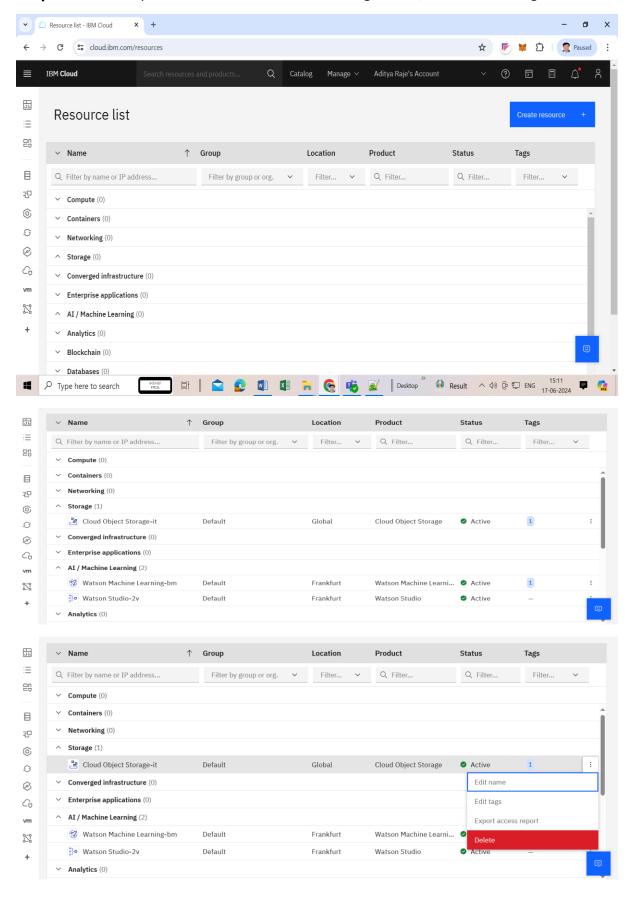


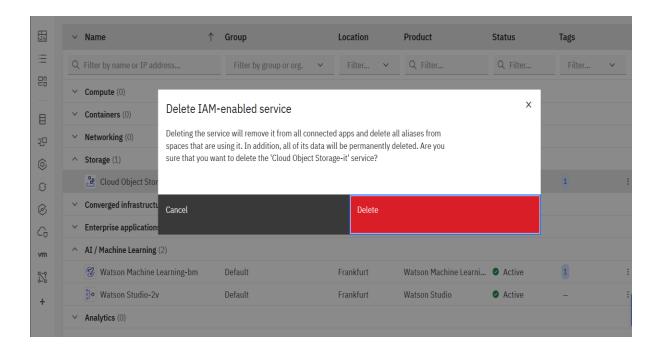
Step4: From top left ,Click on **Navigation Menu** → **Resource list**



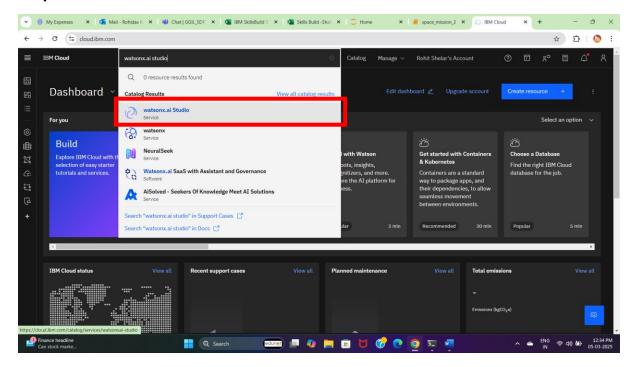


Step 5: Make sure you deleted all resources under Storage and AI/ Machine Learning



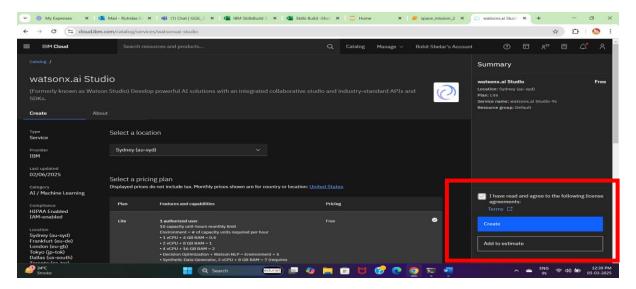


Step 6: Search for Watsonx.ai Studio service

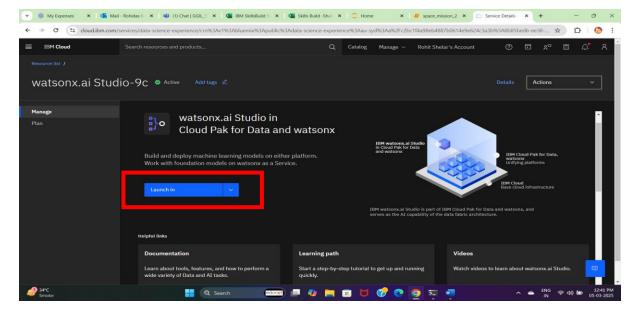




Step 7: Create **Watsonx.ai Studio** service with Free pricing, Click on check box then click on create

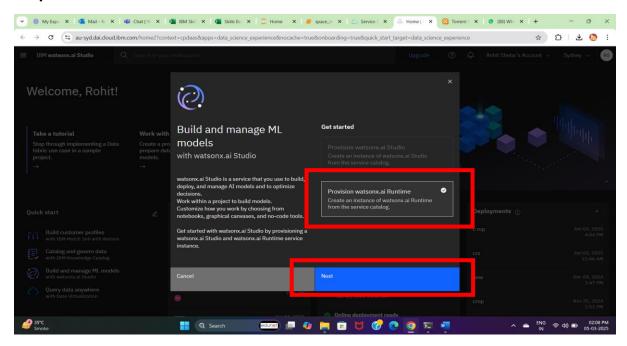


Step 8: Click on Launch In

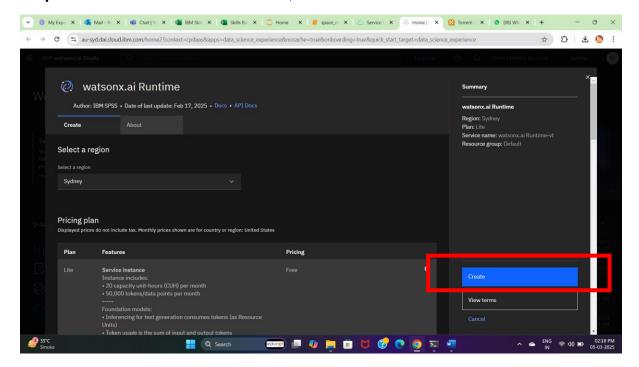




Step 8: Select Provision Watsonx.ai Runtime, Click on Next

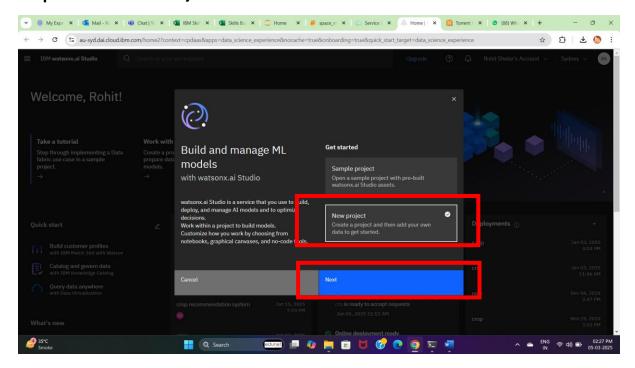


Step 9: Create Watsonx.ai Runtime service, click on Create

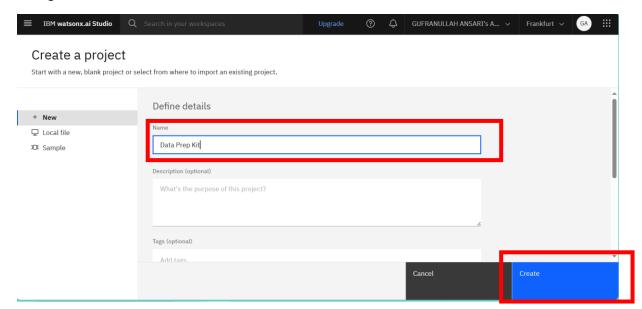




Step 10: Click on New Project and Next

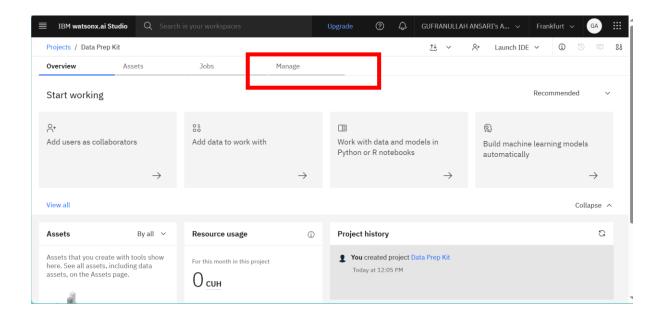


Step 11: In Create Project window – Provide details about **Name**, **Description** and click on **Add** for storage

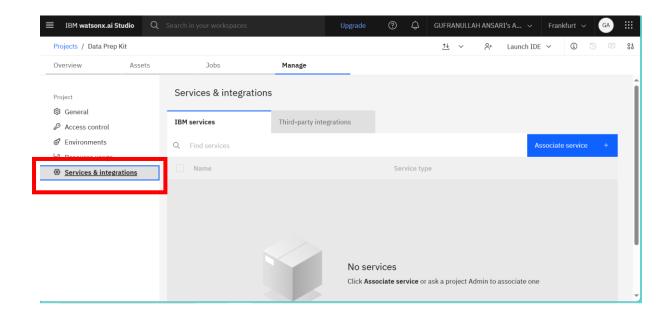




Step 12: Click on the Manage Section

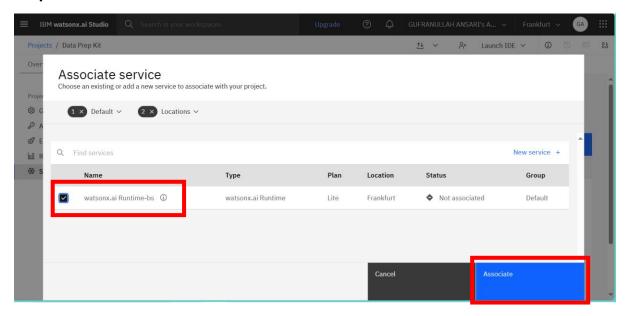


Step 13: Click on the Service & Integrations

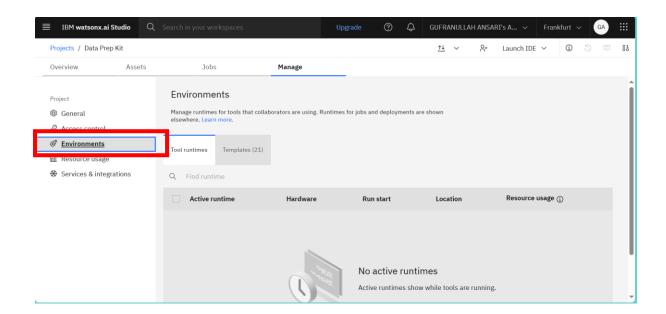




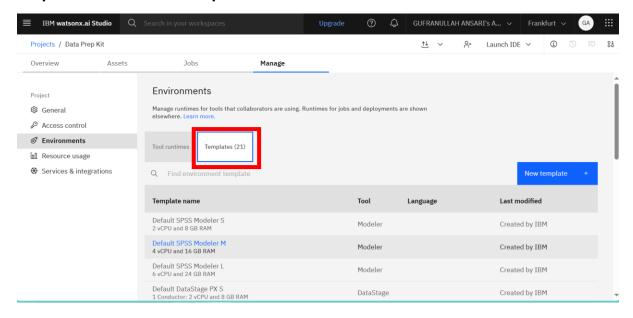
Step 14: Associate the service watsonx.ai Runtime



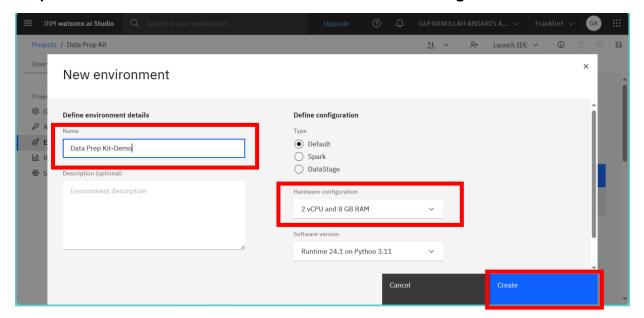
Step 15: Select the Environments section



Step 16: Click on the Templates section

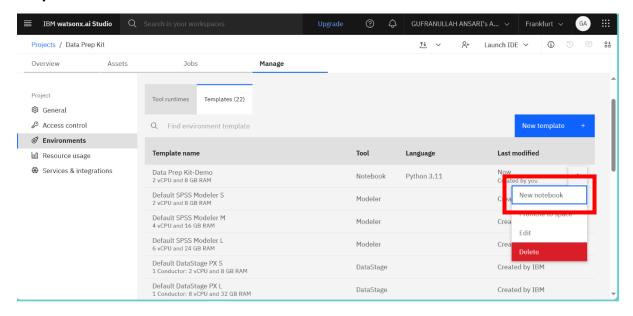


Step 17: Define New environment Name & Hardware Configuration Create

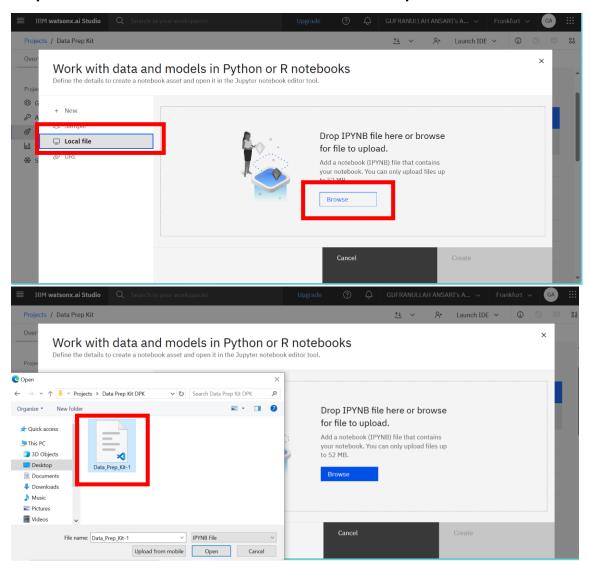




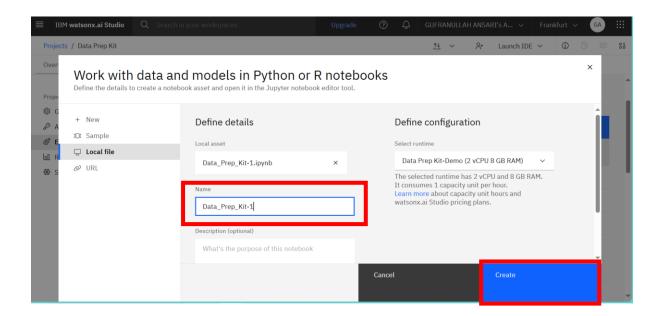
Step 18: Create New notebook



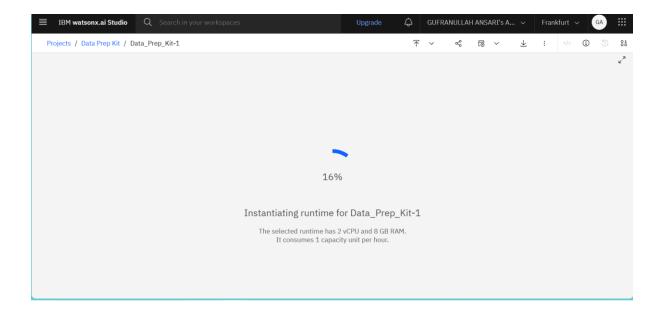
Step 19: Locate file in local drive then browse and upload



Step 20: Define details and create



Step 21: Wait for 100% to complete and load the Notebook.





Step 21: Now Notebook is ready



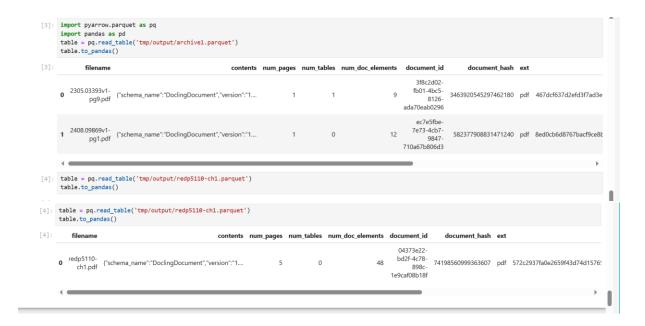
Step 22: Run python code

```
⊙ ↑ ↓ 占 ♀ ▮
                      !pip install "data-prep-toolkit-transforms[pdf2parquet]==1.0.0a2"
                      Ipip install pandas
import urllib.request
                      import shutil
                     shutil.os.makedirs("tmp/input", exist_ok=True)
                     urllib.request.urlretrieve("https://raw.githubusercontent.com/IBM/data-prep-kit/dev/transforms/language/pdf2parquet/test-data/input/archive1.zip", "tmp/input/a urllib.request.urlretrieve("https://raw.githubusercontent.com/IBM/data-prep-kit/dev/transforms/language/pdf2parquet/test-data/input/redp5110-ch1.pdf", "tmp/input/a urllib.request.urlretrieve("https://raw.githubusercontent.urlretrieve("https://raw.githubusercontent.urlretrieve("https://raw.githubusercontent.urlretrieve("https://raw.githubusercontent.urlretrieve("https://raw.githubusercontent.urlretrieve("htt
[4]: ('tmp/input/redp5110-ch1.pdf', <http.client.HTTPMessage at 0x7f1f1012e150>)
[6]: !pip install --upgrade numpy
!pip install --upgrade pandas
                    Requirement already satisfied: numpy in /usr/local/lib/python3.11/dist-packages (2.2.4)
Requirement already satisfied: pandas in /usr/local/lib/python3.11/dist-packages (2.2.3)
Requirement already satisfied: numpy>=1.23.2 in /usr/local/lib/python3.11/dist-packages (from pandas) (2.2.4)
Requirement already satisfied: python-dateutil>=2.8.2 in /usr/local/lib/python3.11/dist-packages (from pandas) (2.8.2)
                 !virtualenv venv
                 !source venv/bin/activate
!pip install "data-prep-toolkit-transforms[pdf2parquet]==1.0.0a2" pandas
                 #Continue with your notebook from here, but ensure you run all installations within the created virtual environment.
            Collecting virtualenv
Downloading virtualenv-20.29.3-py3-none-any.whl.metadata (4.5 kB)
Collecting distlib-(1,>=0.3.7 (from virtualenv)
Downloading distlib-(3,>=0.9.py2.py3-none-any.whl.metadata (5.2 kB)
Requirement already satisfied: filelock(4,>=3.12.2 in /usr/local/lib/python3.11/dist-packages (from virtualenv) (3.18.0)
Requirement already satisfied: platformdirs(5,>=3.9.1 in /usr/local/lib/python3.11/dist-packages (from virtualenv) (4.3.7
Downloading virtualenv-20.29.3-py3-none-any.whl (4.3 MB)

4.374.3 MB 37.3 MB/s eta 0:00:00

Downloading distlib-0.3.9-py2.py3-none-any.whl (468 kB)
                                                                                                                                                                                                 469.0/469.0 kB 37.5 MB/s eta 0:00:00
                Installing collected packages: distlib, virtualent
               Installing collected packages: distlib, virtualenv
Successfully installed distlib-0.3.9 virtualenv-20.29.3
created virtual environment CPython3.11.11.final.0-64 in 894ms
creator CPython3Posix(dest=/content/venv, clear=False, no_vcs_ignore=False, global=False)
seeder FromAppData(download=False, pip=bundle, setuptools=bundle, wheel=bundle, via=copy, app_data_dir=/root/.local/share/virtualenv)
added seed packages: pip==25.0.1, setuptools==75.8.0, wheel==0.45.1
activators BashActivator, CShellActivator, FishActivator, NushellActivator, PowerShellActivator, PythonActivator
Requirement already satisfied: data-prep-toolkit-transforms=1.0.02 in /usr/local/lib/python3.11/dist-packages (from data-prep-toolkit-transforms[pdf2parque t]=1.0.02) (1.0.02)
Requirement already satisfied: pandas in /usr/local/lib/python3.11/dist-packages (2.2.3)
```





Congratulations! You successfully Run Data Prep Kit using IBM Cloud.

