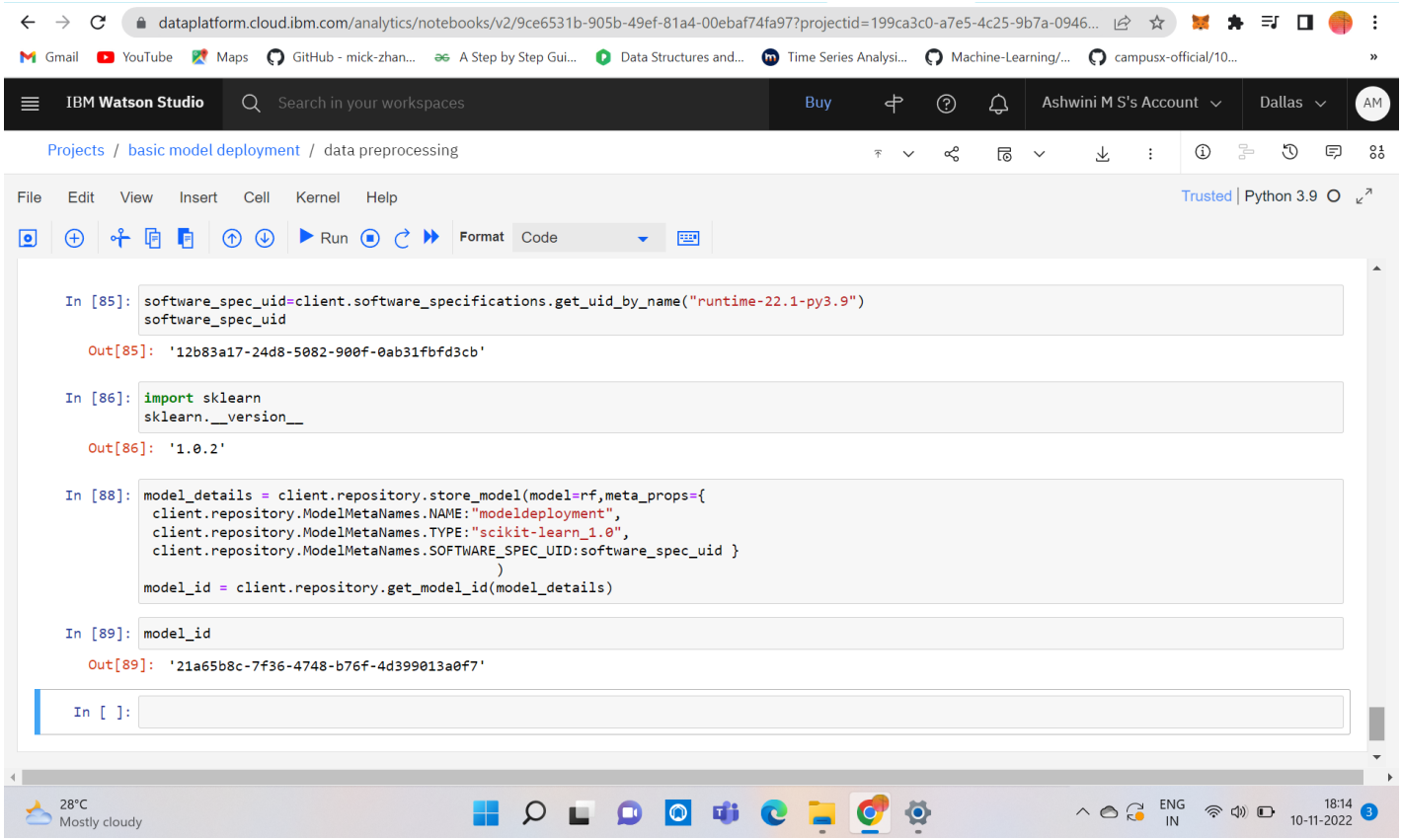
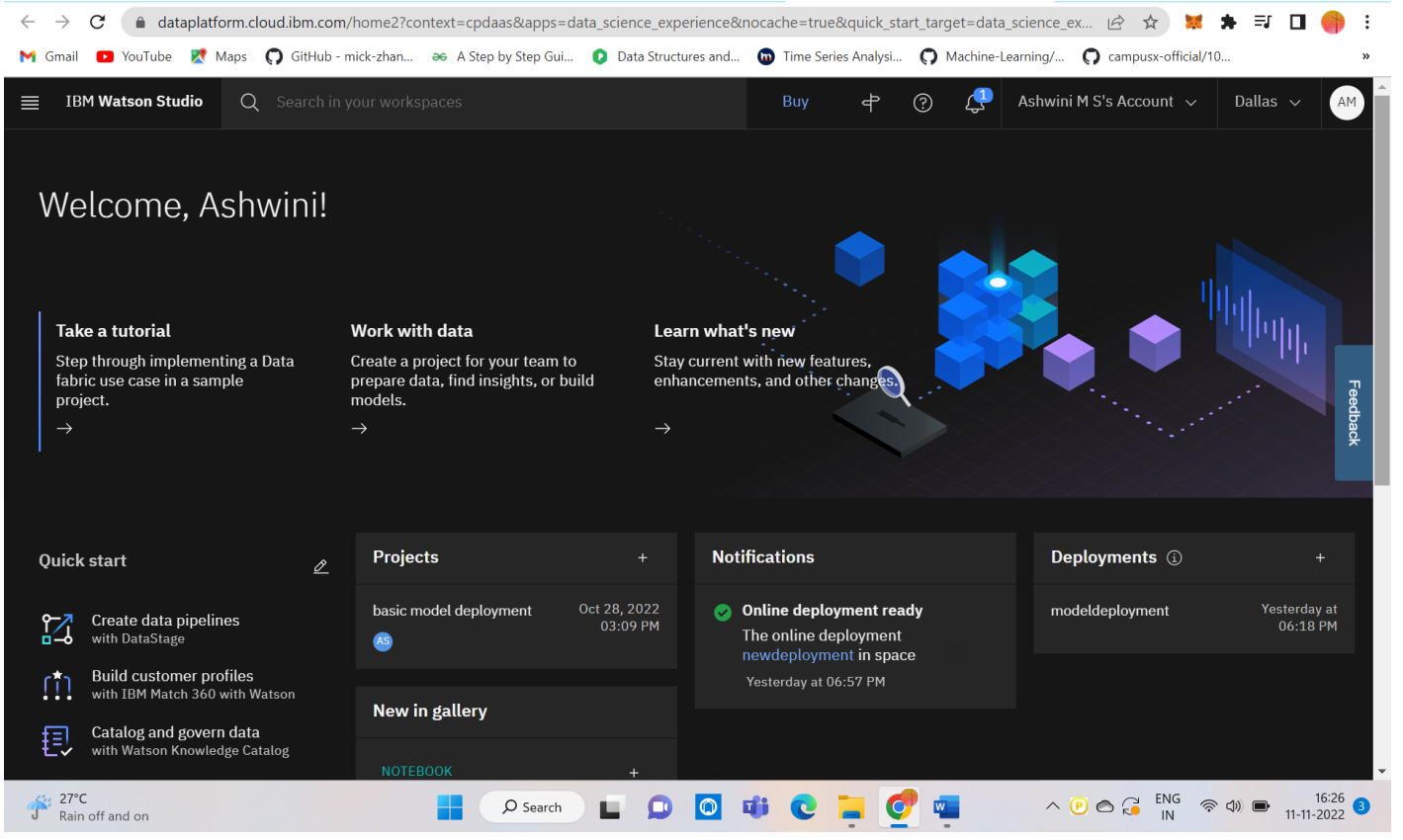
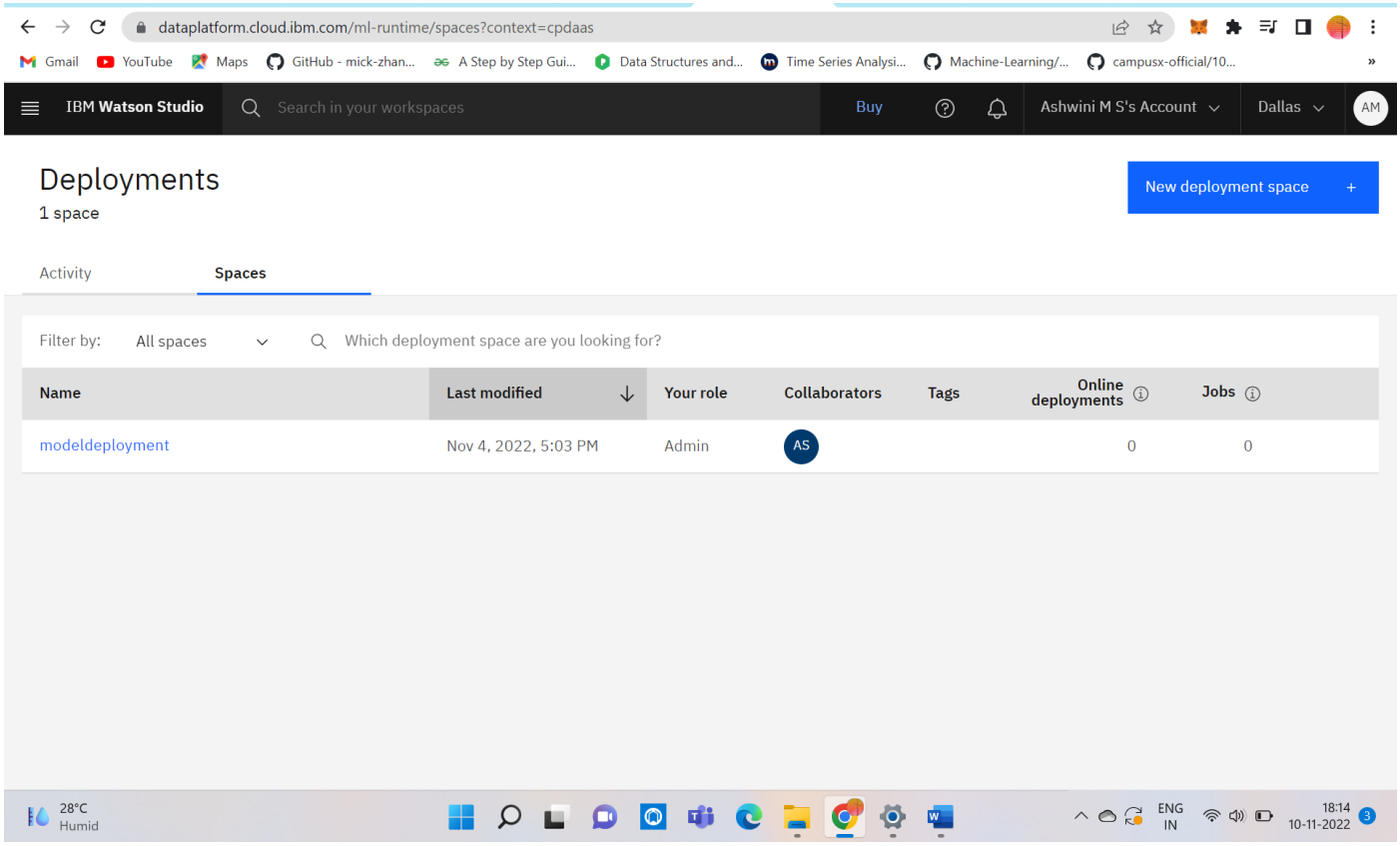
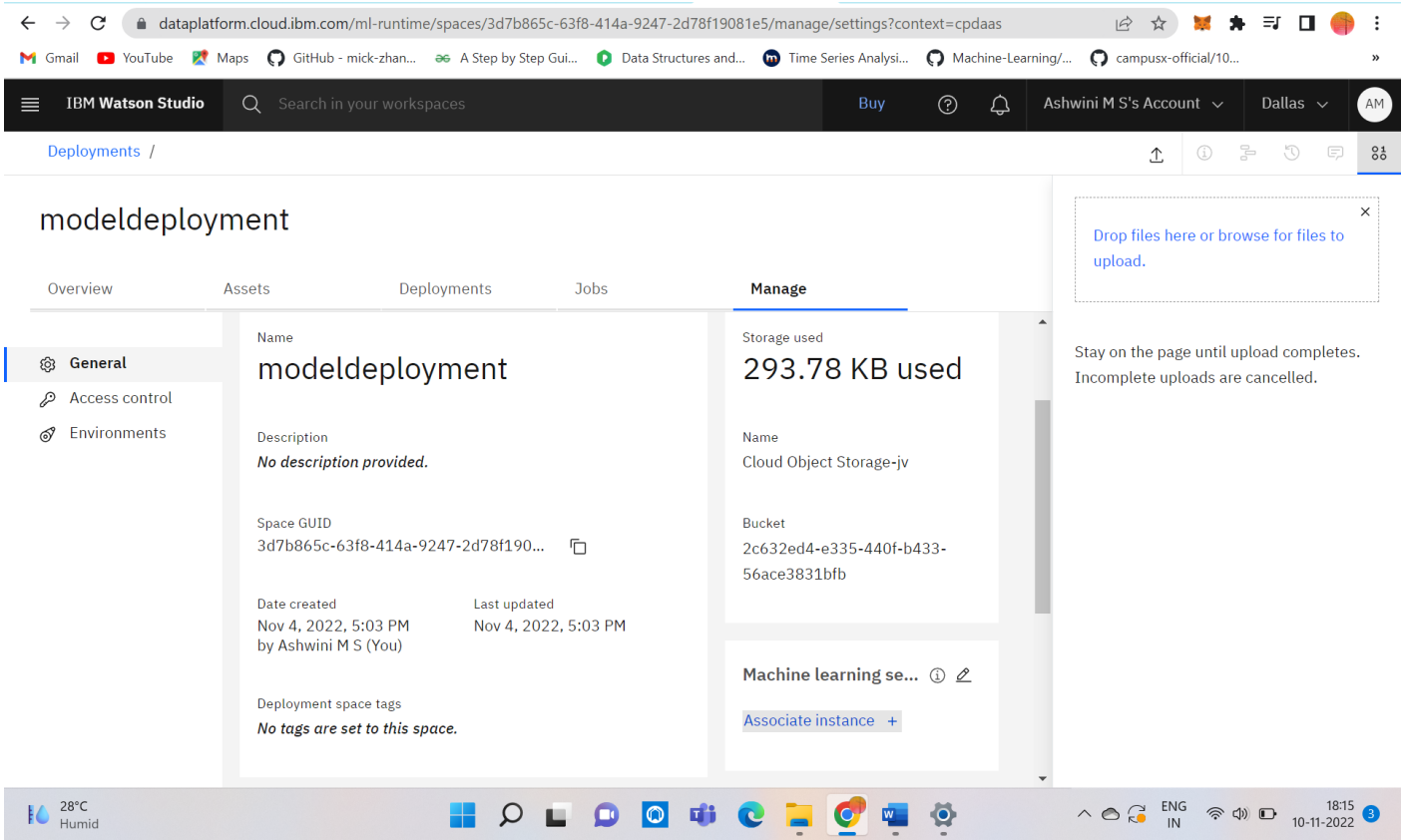
Deployment of ML Model

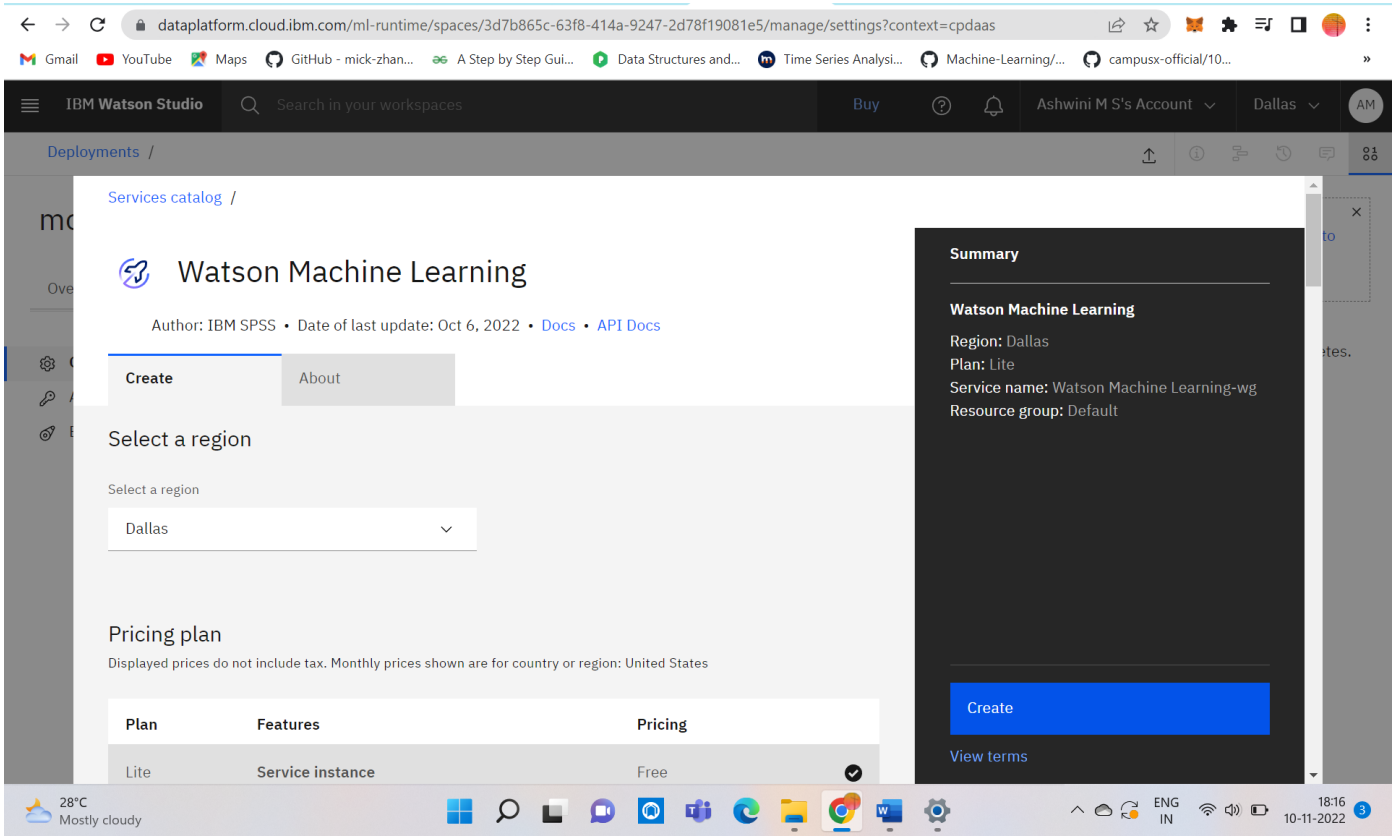




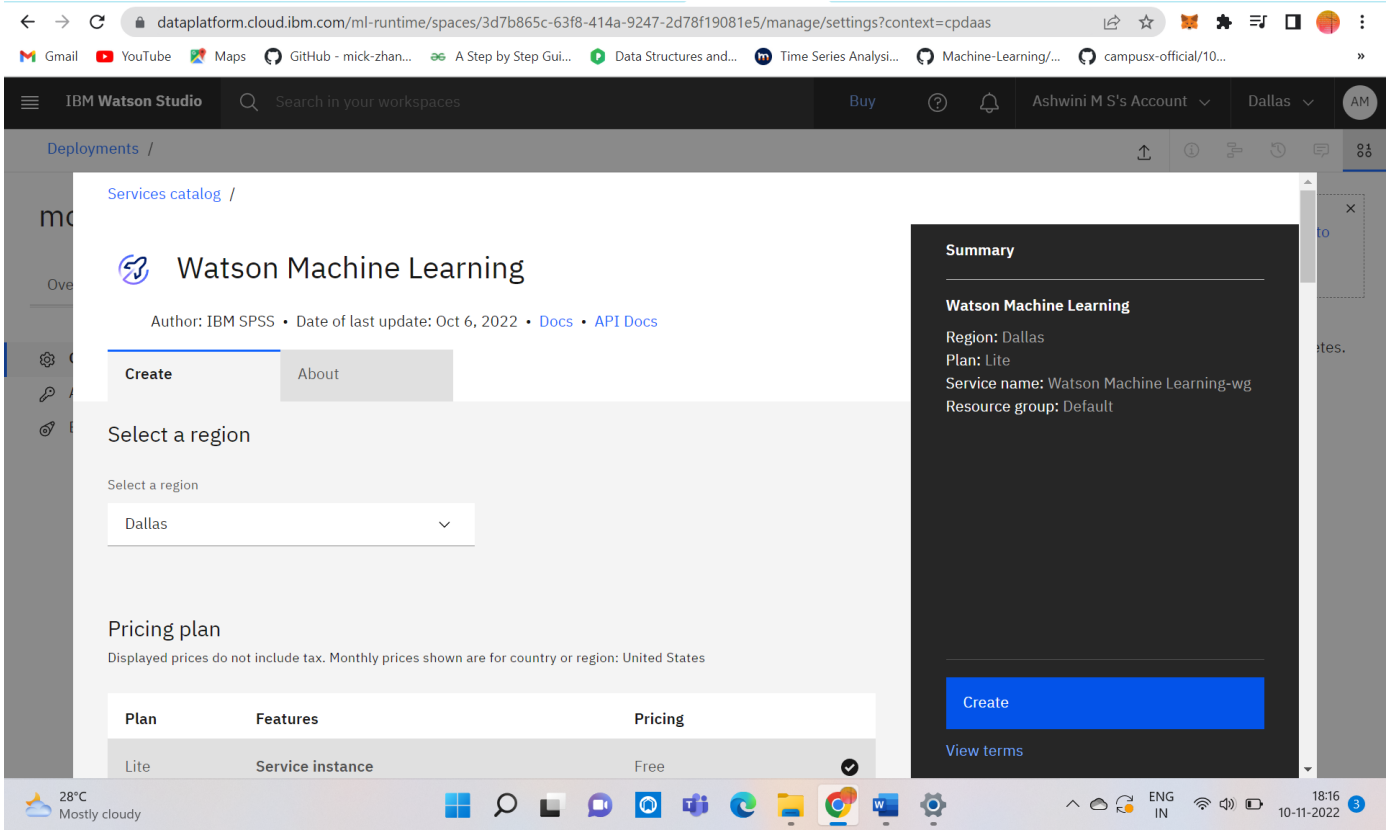


Associating Instance

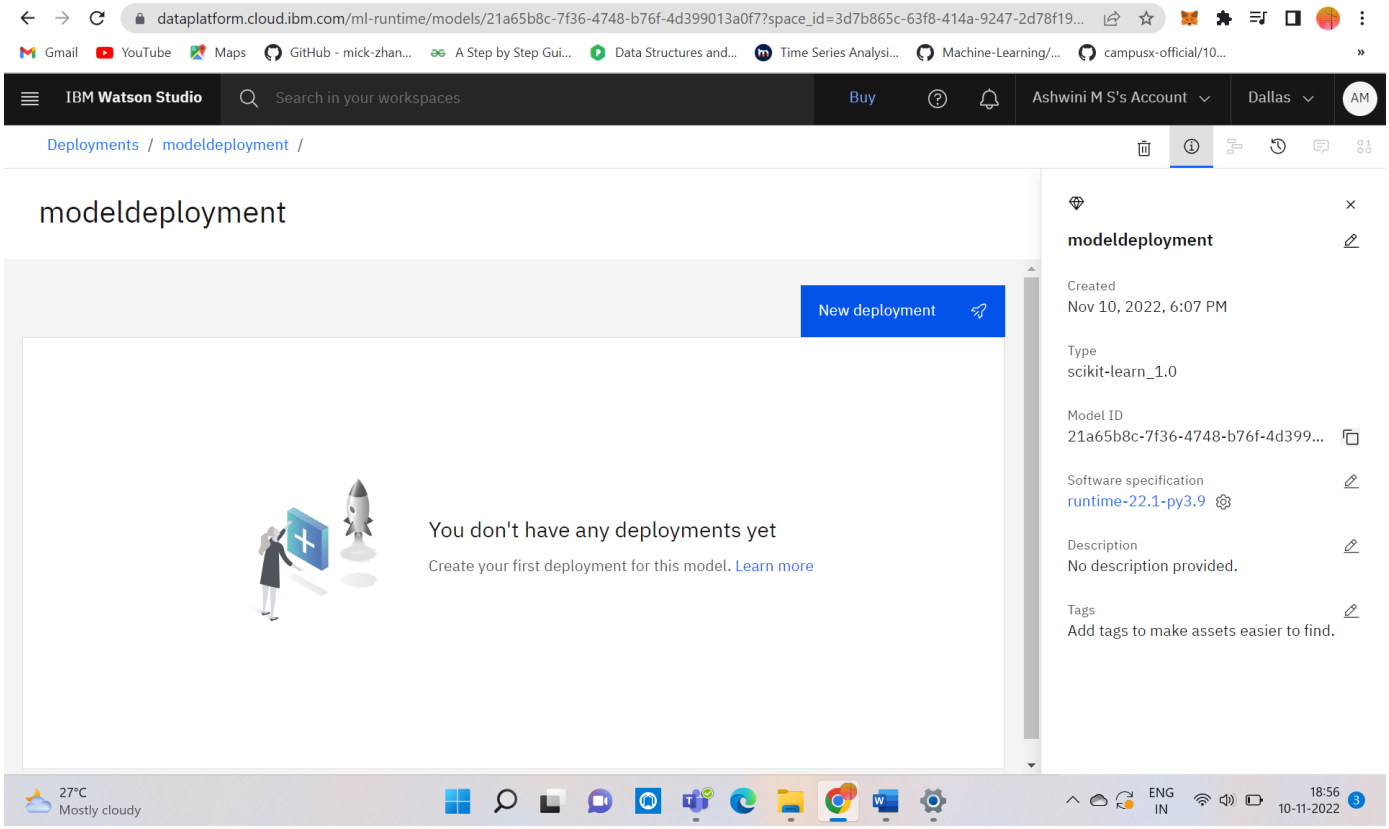


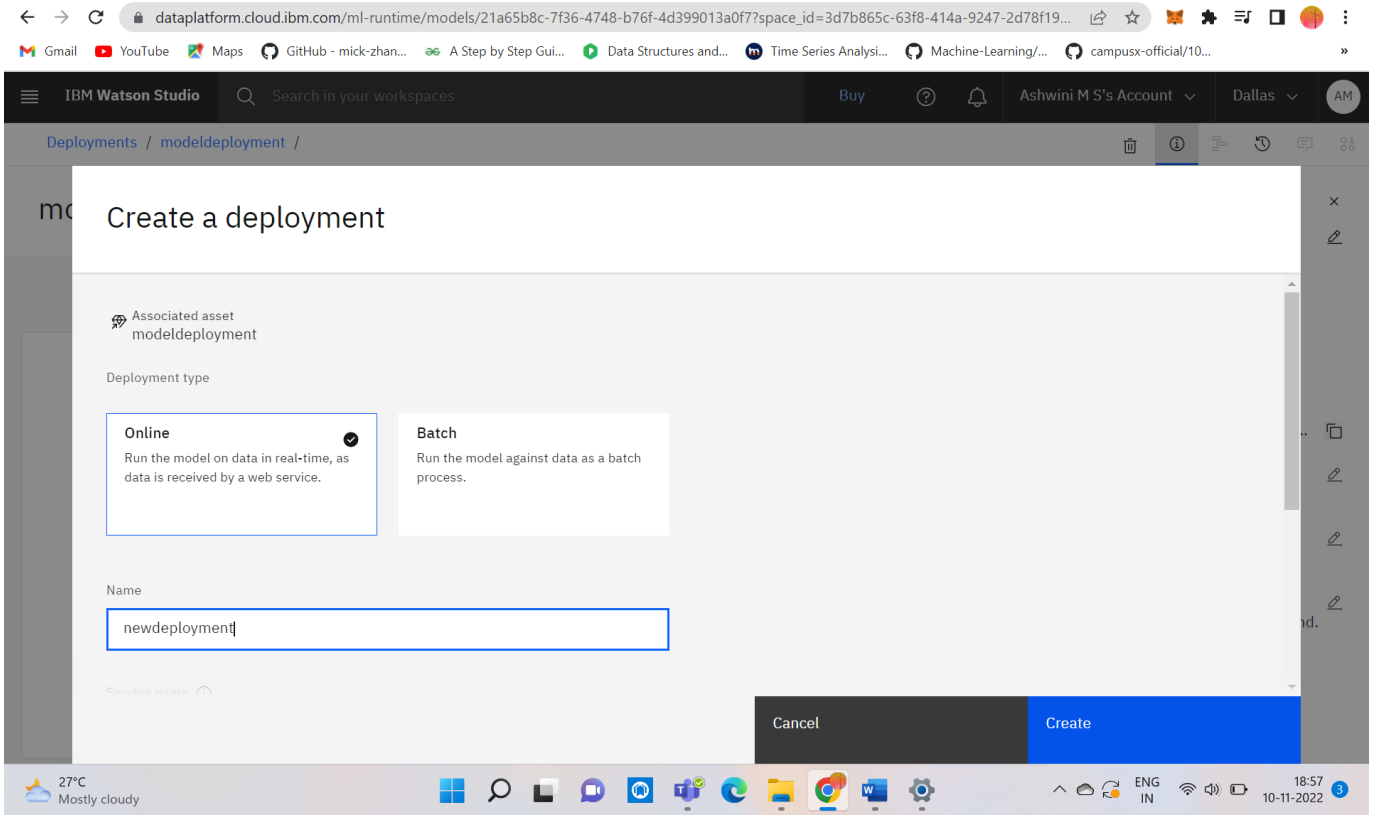


Selecting Watson Machine Learning

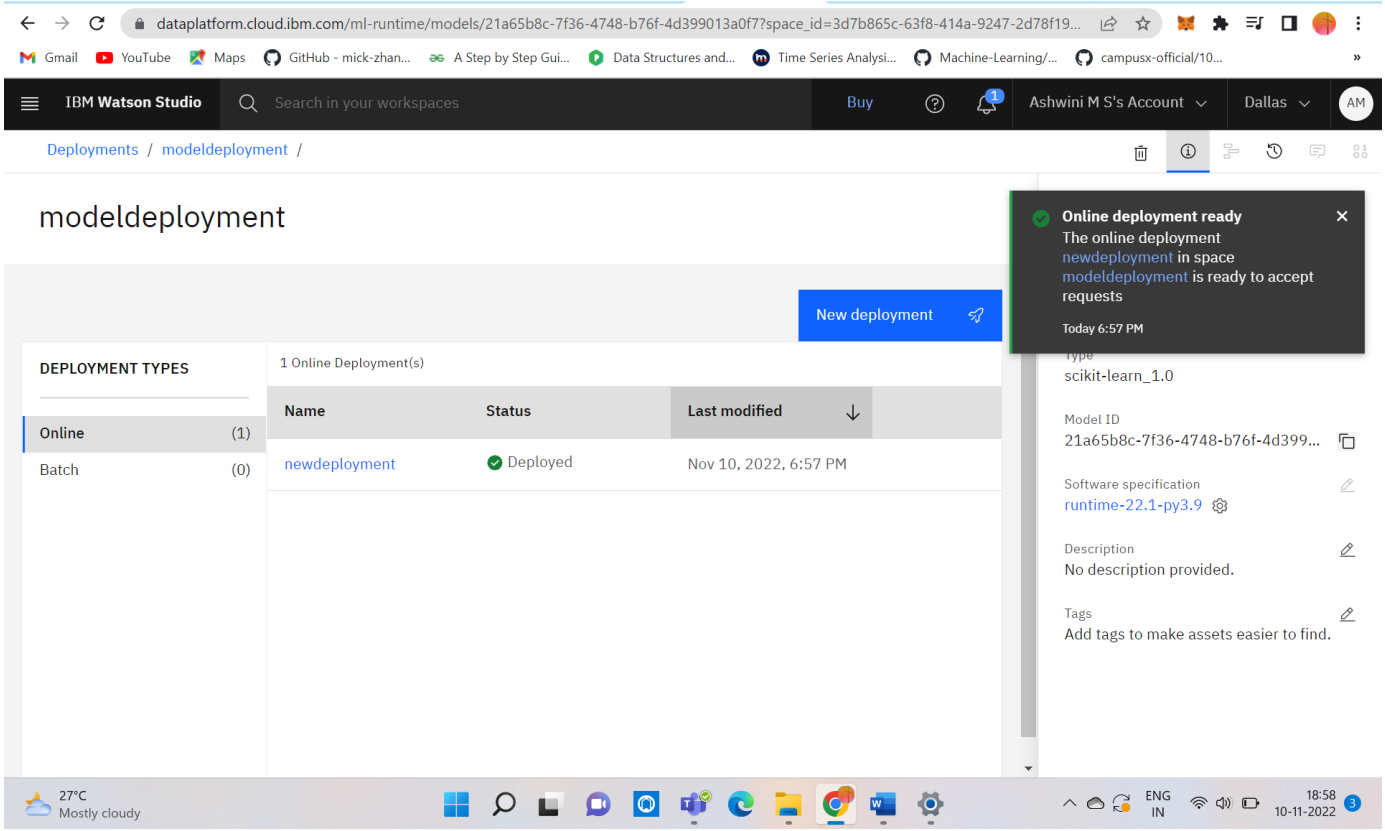


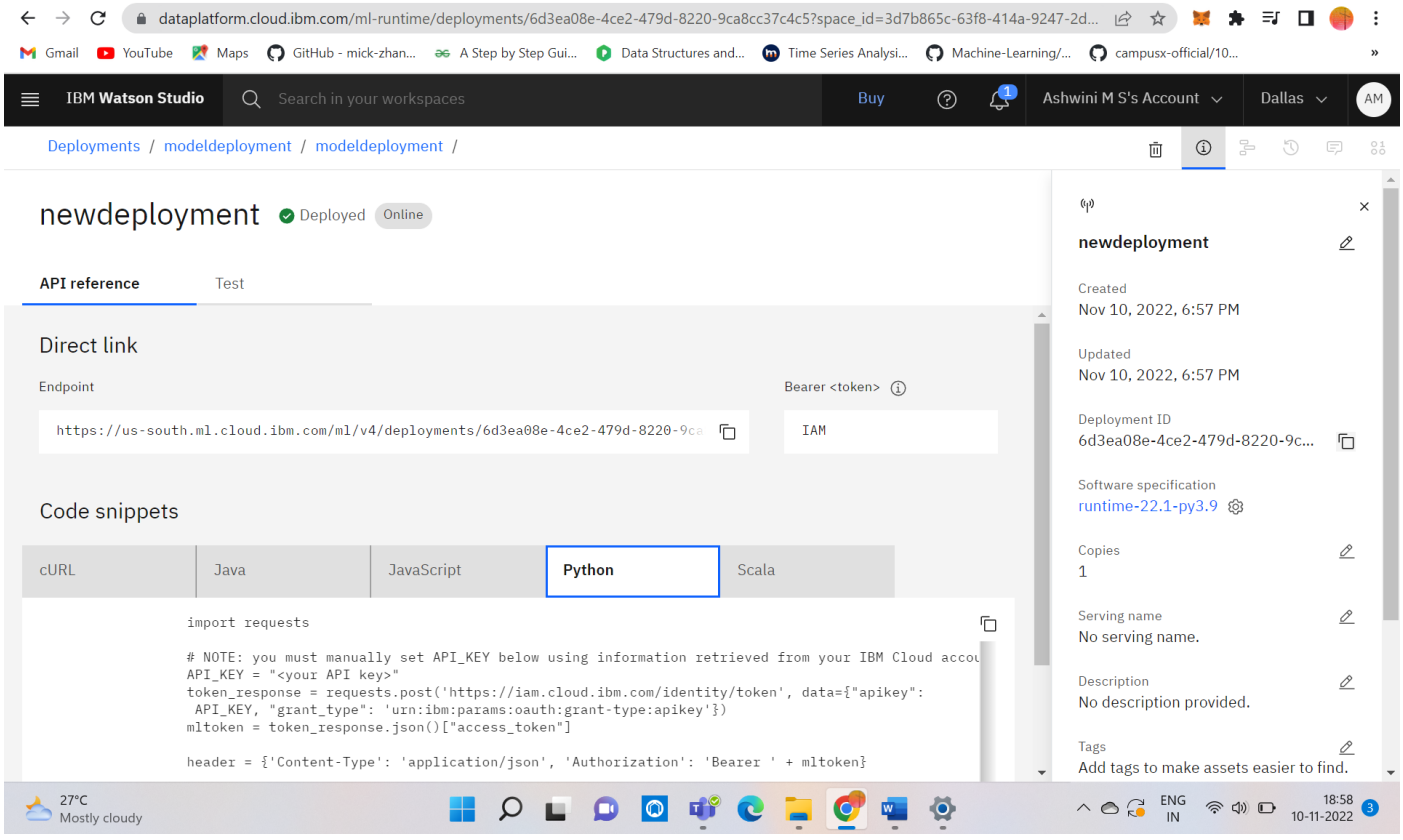
Clicking on New Deployment



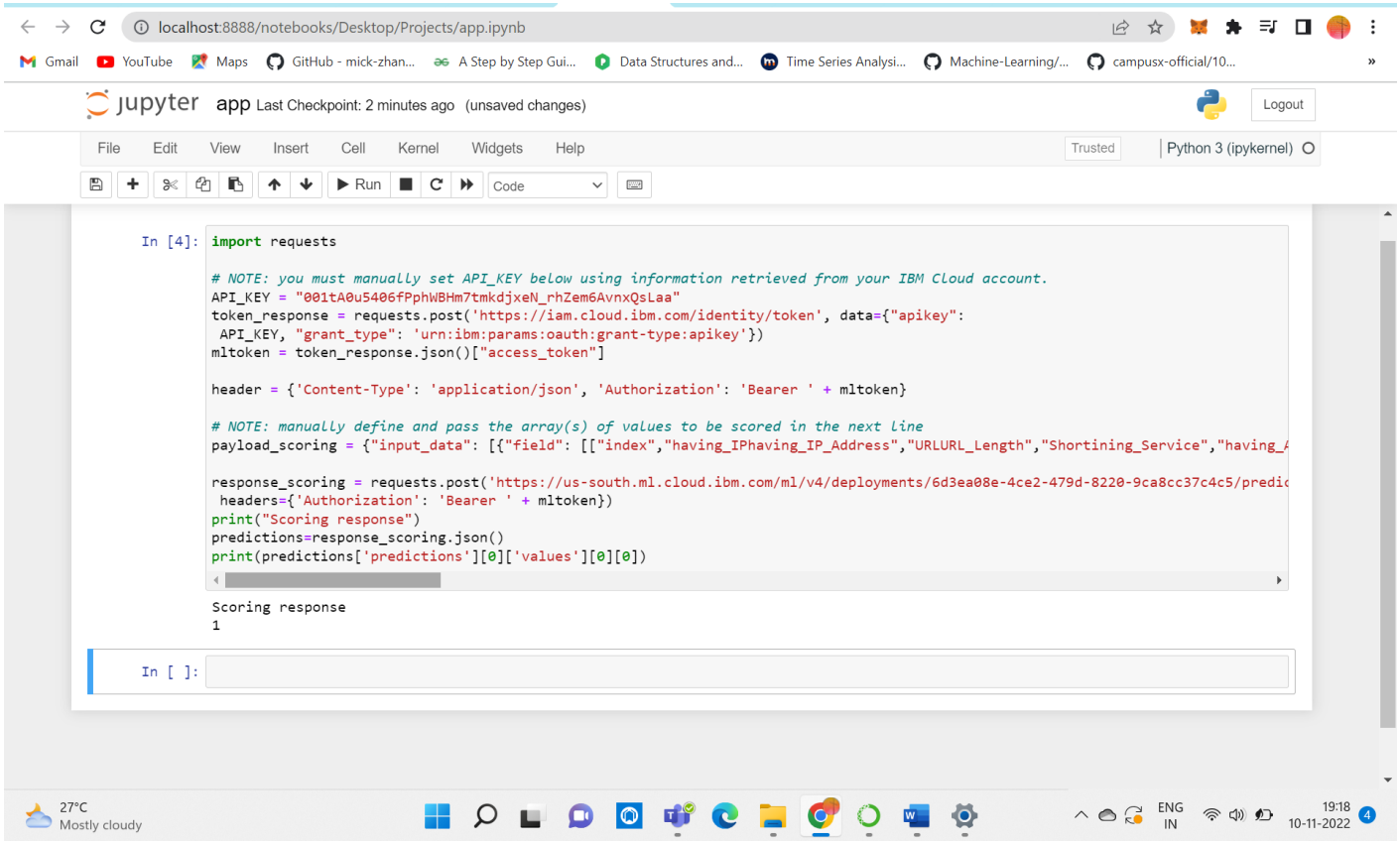


Model Deployed Successfully





Performing Predictions with the deployed model on the scoring end point



localhost:8888/notebooks/Desktop/Projects/app.ipynb

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Trusted | Python 3 (ipykernel)

Run Code

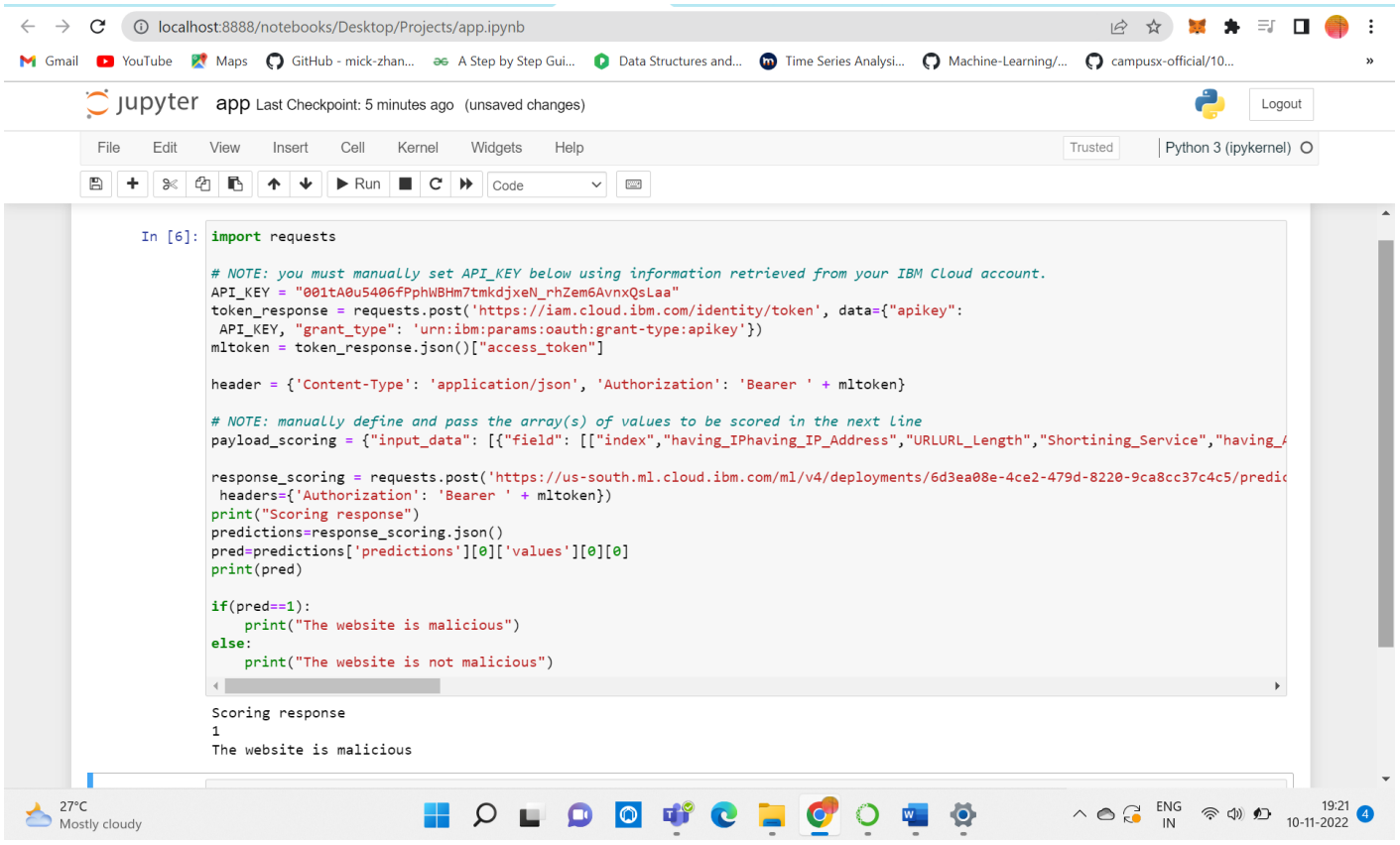
In [4]:
```
import requests

# NOTE: you must manually set API_KEY below using information retrieved from your IBM Cloud account.
API_KEY = "001tA0u5406fPphWBHm7tmkdjxeN_rhZem6AvnxQsLaa"
token_response = requests.post('https://iam.cloud.ibm.com/identity/token', data={"apikey":
 API_KEY, "grant_type": 'urn:ibm:params:oauth:grant-type:apikey'})
mltoken = token_response.json()["access_token"]

header = {'Content-Type': 'application/json', 'Authorization': 'Bearer ' + mltoken}

# NOTE: manually define and pass the array(s) of values to be scored in the next line
payload_scoring = {"input_data": [{"field": [["index","having_IPhaving_IP_Address","URLURL_Length","Shortining_Service","having_A

response_scoring = requests.post('https://us-south.ml.cloud.ibm.com/ml/v4/deployments/6d3ea08e-4ce2-479d-8220-9ca8cc37c4c5/predic
 headers={'Authorization': 'Bearer ' + mltoken})
print("Scoring response")
predictions=response_scoring.json()
print(predictions['predictions'][0]['values'][0][0])
```

```
Scoring response
1
```

In [ ]:

27°C Mostly cloudy

ENG IN 19:18 10-11-2022



localhost:8888/notebooks/Desktop/Projects/app.ipynb

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Trusted | Python 3 (ipykernel)

Run Code

In [6]:
```
import requests

# NOTE: you must manually set API_KEY below using information retrieved from your IBM Cloud account.
API_KEY = "001tA0u5406fPphWBHm7tmkdjxeN_rhZem6AvnxQsLaa"
token_response = requests.post('https://iam.cloud.ibm.com/identity/token', data={"apikey":
 API_KEY, "grant_type": 'urn:ibm:params:oauth:grant-type:apikey'})
mltoken = token_response.json()["access_token"]

header = {'Content-Type': 'application/json', 'Authorization': 'Bearer ' + mltoken}

# NOTE: manually define and pass the array(s) of values to be scored in the next line
payload_scoring = {"input_data": [{"field": [["index","having_IPhaving_IP_Address","URLURL_Length","Shortining_Service","having_A

response_scoring = requests.post('https://us-south.ml.cloud.ibm.com/ml/v4/deployments/6d3ea08e-4ce2-479d-8220-9ca8cc37c4c5/predic
 headers={'Authorization': 'Bearer ' + mltoken})
print("Scoring response")
predictions=response_scoring.json()
pred=predictions['predictions'][0]['values'][0][0]
print(pred)

if(pred==1):
    print("The website is malicious")
else:
    print("The website is not malicious")
```

```
Scoring response
1
The website is malicious
```

27°C Mostly cloudy

ENG IN 19:21 10-11-2022