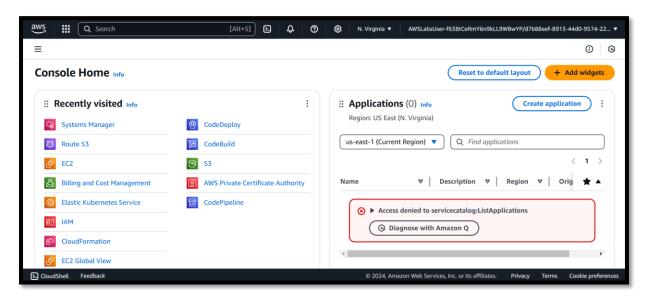
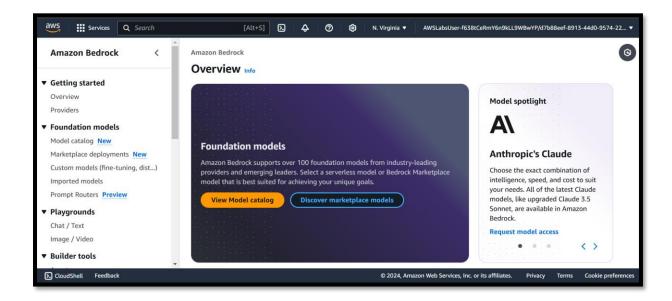
**Objective**: To create text summarizations by running two notebook files: Task2a.ipynb, which summarizes text with small files using Titan Text Premier, and Task2b.ipynb, which uses chunking to summarize long texts with Amazon Titan.

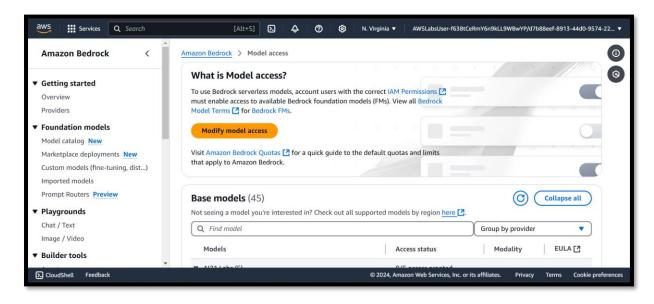
## Task 0: Set up the environment

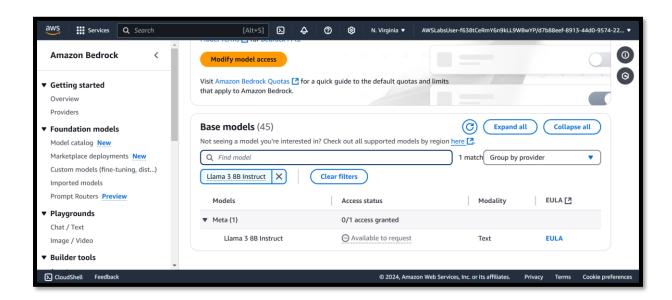
In this task, I registered the base models in the Amazon Bedrock console and launched an Amazon SageMaker Studio application to access my lab resources.



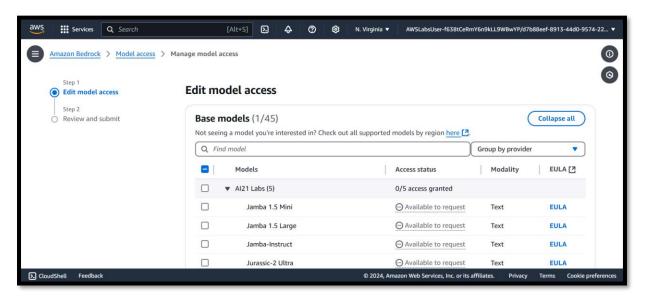


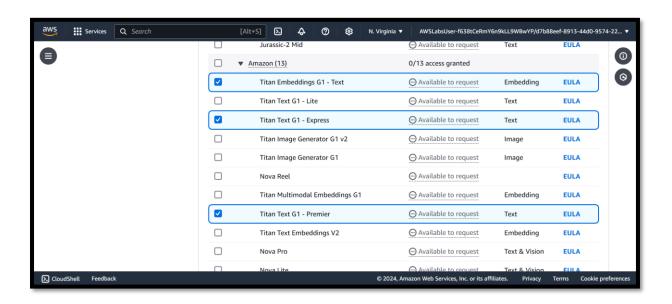
I reviewed the Access Status for each of the models. If the Access Status for one or more of the models was set to Available to request, I expanded this menu and followed the steps to enable access for them.

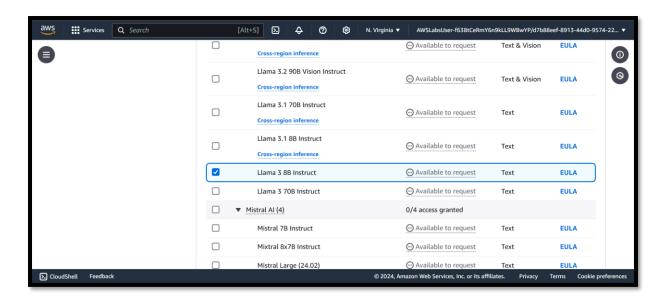


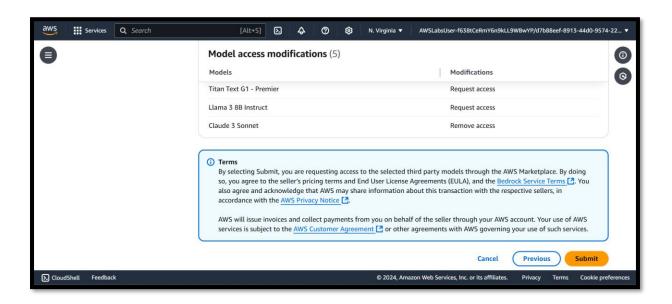


I chose Modify model access at the top of the screen.

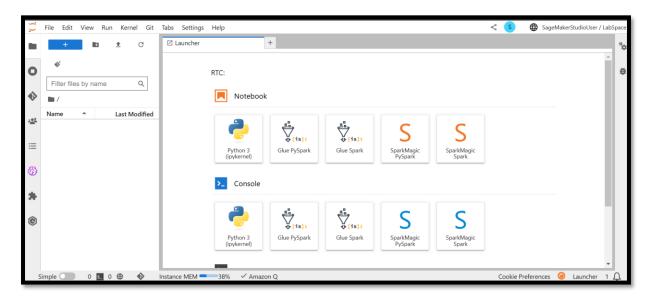


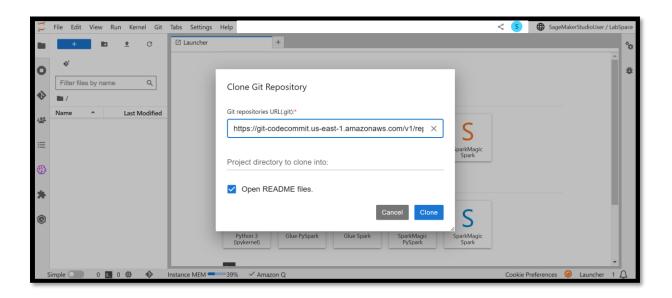






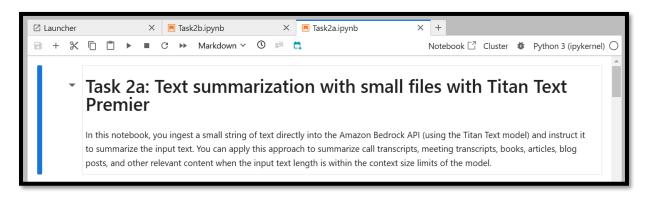
## Launch an Amazon SageMaker Studio application

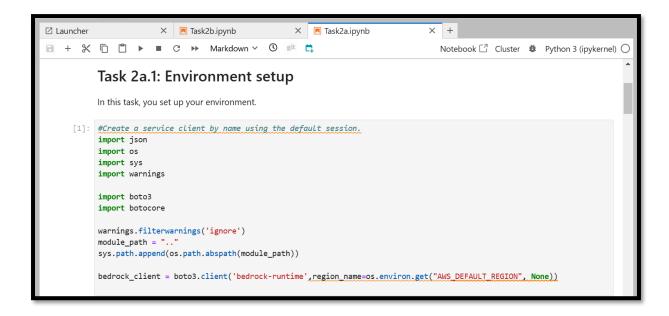


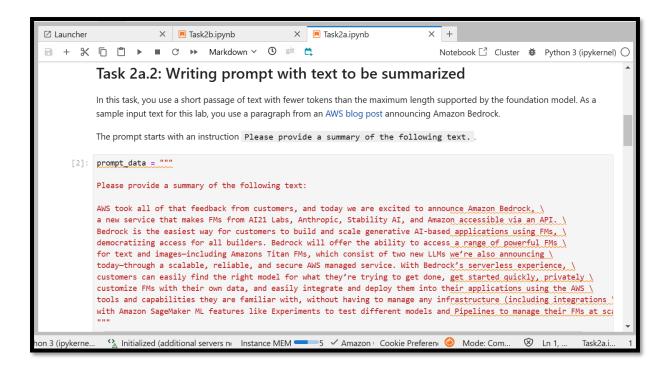


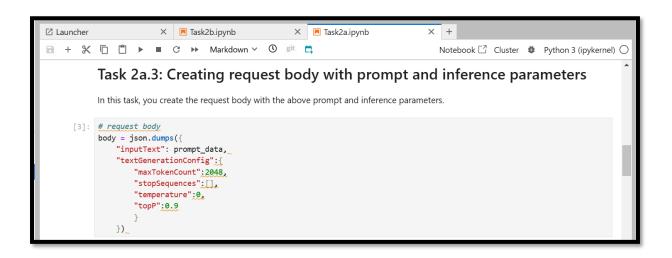
## Task 1: Create Text Summarization

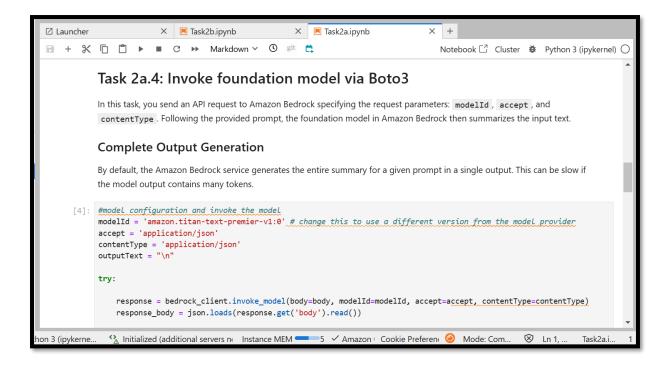
Task2a.ipynb, which summarized the text with small files using Titan Text Premier

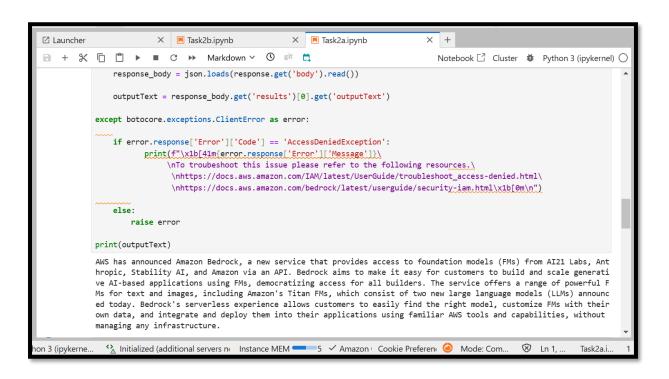








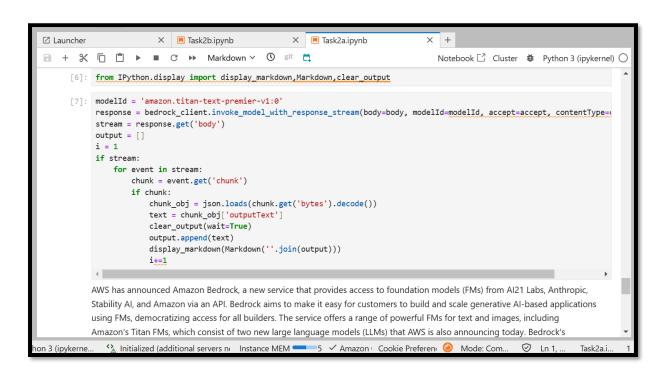




```
× +

☑ Launcher

                                  X ■ Task2b.ipynb
                                                                          X Task2a.ipynb
                                                             v 🕓 git 📇
                                                                                                                      Notebook ☐ Cluster # Python 3 (ipykernel) ○
     + % □ □ ▶ ■ C → Code
        [5]: #invoke model with response stream
               modelId = 'amazon.titan-text-premier-v1:0'
               response = bedrock_client.invoke_model_with_response_stream(body=body, modelId=modelId, accept=accept, contentType=c
               stream = response.get('body')
               output = list(stream)
               output
        {'chunk': {'bytes': b'{"outputText":" Amazon", "index":3}'}},
                 {'chunk': {'bytes': b'("outputText":" Bed", "index":4)'}},
{'chunk': {'bytes': b'("outputText":"rock", "index":5)'}},
                 { chunk: { bytes: b { outputText: "ok, index": 5} }},
{'chunk': {'bytes': b '{"outputText":",","index": 6}'}},
{'chunk': {'bytes': b '{"outputText":" a","index": 7}'}},
{'chunk': {'bytes': b '{"outputText":" new","index": 8}'}},
{'chunk': {'bytes': b '{"outputText":" service","index": 9}'}},
                 {'chunk': {'bytes': b'{"outputText":" that", "index":10}'}},
                 {'chunk': {'bytes': b'{"outputText":" provides", "index":11}'}},
{'chunk': {'bytes': b'{"outputText":" access", "index":12}'}},
{'chunk': {'bytes': b'{"outputText":" to", "index":13}'}},
                 {'chunk': {'bytes': b'{"outputText":" foundation","index":14}'}},
                 {'chunk': {'bytes': b'{"outputText":" models", "index":15}'}},
                  🐪 Initialized (additional servers no Instance MEM 💳 5 🗸 Amazon o Cookie Prefereno 🍪 Mode: Com...
                                                                                                                                                                 Task2a.i.
```



Task2b.ipynb, which used chunking to summarize long texts with Amazon Titan.

