Task 1.3

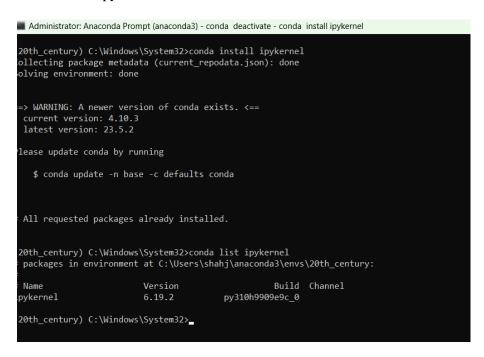1. **In your Anaconda prompt, create a new virtual environment and give it the title "20th_century". Take a screenshot of the terminal and paste it into a word processing document.**

```
Administrator: Anaconda Prompt (anaconda3)

(base) C:\Windows\System32>conda create -n 20th century anaconda
Collecting package metadata (current_repodata.json): done
Solving environment: done

==> WARNING: A newer version of conda exists. <==
  current version: 4.10.3
  latest version: 23.5.2

Please update conda by running

    $ conda update -n base -c defaults conda


## Package Plan ##

  environment location: C:\Users\shahj\anaconda3\envs\20th_century

  added / updated specs:
    - anaconda

The following packages will be downloaded:

    package                    |            build
    ---------------------------|-----------------
    abseil-cpp-20211102.0      |       hd77b12b_0         1.7 MB
    aiobotocore-2.5.0          |    py310haa95532_0        117 KB
    aiofiles-22.1.0            |    py310haa95532_0         25 KB
    aiohttp-3.8.3              |    py310h2bbff1b_0        418 KB
    aioitertools-0.7.1         |      pyhd3eh1h0_0          20 KB
    aiosqlite-0.18.0           |    py310haa95532_0         35 KB
    anaconda-2023.07           |          py310_0          76 KB
    anyio-3.5.0                |    py310haa95532_0        169 KB
    argon2-cffi-bindings-21.2.0|    py310h2bbff1b_0         36 KB
    arrow-1.2.3                |    py310haa95532_1        159 KB
    arrow cpp 11.0.0           |    py310h7ccc713_0         7.2 MB
    astroid-2.14.2             |    py310haa95532_0        400 KB
    astropy-5.1                |    py310h9128911_0         6.4 MB
    async-timeout-4.0.2        |    py310haa95532_0         12 KB
    attrs-22.1.0               |    py310haa95532_0         85 KB
    autopep8-1.6.0             |      pyhd3eb1b0_1          43 KB
    aws-c-common-0.4.57        |        ha925a31_1         147 KB
    aws-c-event-stream-0.1.6   |        hd77b12b_5          26 KB
    aws-checksums-0.1.9        |        ha925a31_0          50 KB
    aws-sdk-cpp-1.8.185        |        hd77b12b_0         2.5 MB
    babel-2.11.0               |    py310haa95532_0         6.8 MB
```

2. **Activate your virtual environment and take a screenshot to confirm that this step is complete. Paste the screenshot into your word processing document.**

```
Administrator: Anaconda Prompt (anaconda3) - conda deactivate

(base) C:\Windows\System32>conda activate 20th century

(20th_century) C:\Windows\System32>pip list
Package                    Version
-------------------------- -------------
aiobotocore                2.5.0
aiofiles                   22.1.0
aiohttp                    3.8.3
aioitertools               0.7.1
aiosignal                  1.2.0
aiosqlite                  0.18.0
alabaster                  0.7.12
anyio                      3.5.0
appdirs                    1.4.4
argon2-cffi                21.3.0
argon2-cffi-bindings       21.2.0
arrow                      1.2.3
astroid                    2.14.2
astropy                    5.1
asttokens                  2.0.5
async-timeout              4.0.2
atomicwrites               1.4.0
attrs                      22.1.0
Automat                    20.2.0
autopep8                   1.6.0
Babel                      2.11.0
backcall                   0.2.0
bcrypt                     3.2.0
beautifulsoup4             4.12.2
binaryornot                0.4.4
black                      0.0
bleach                     4.1.0
bokeh                      3.1.1
botocore                   1.29.76
bottleneck                 1.3.5
brotlipy                   0.7.0
certifi                    2023.5.7
cffi                       1.15.1
chardet                    4.0.0
charset-normalizer         2.0.4
click                      8.0.4
cloudpickle                2.2.1
colorama                   0.4.6
colorcet                   3.0.1
```

3. **Install the ipykernel library inside the virtual environment.**

Conda install ipykernel

4. **Deactivate the environment and launch JupyterLab from the base. Once JupyterLab has opened in the browser, create a new notebook and select the "20th_century" environment from the list of kernels. Before closing the window, take a screenshot of the prompt and place it in your word processing document.**