1. Import Dataset

Over here we will import the dataset

```
In [8]: import pandas as pd
    df=pd.read_csv('placement.csv')
    df
```

```
Out[8]:
              Unnamed: 0 cgpa
                                    iq placement
           0
                             6.8 123.0
                             5.9 106.0
                                                0
           2
                                                 0
                             5.3 121.0
           3
                             7.4 132.0
                                                 0
           4
                             5.8 142.0
                             4.3 200.0
                                                0
          95
                       95
                                  42.0
                                                0
          96
                       96
          97
                       97
                             6.7 182.0
                                                 1
          98
                       98
                             6.3 103.0
                       99
          99
                             6.2 113.0
                                                 1
```

100 rows × 4 columns

```
In [9]: df.head()
```

Out[9]:		Unnamed: 0	cgpa	iq	placement
	0	0	6.8	123.0	1
	1	1	5.9	106.0	0
	2	2	5.3	121.0	0
	3	3	7.4	132.0	1
	4	4	5.8	142.0	0

```
In [10]: df=df.iloc[:,1:]
```

In [11]: d:

Out[11]: cgpa iq placement

0 6.8 123.0 1

1 5.9 106.0 0

2 5.3 121.0 0

3	7.4	132.0	1
4	5.8	142.0	0
•••			
95	4.3	200.0	0
96	4.4	42.0	0
97	6.7	182.0	1
98	6.3	103.0	1
99	6.2	113.0	1

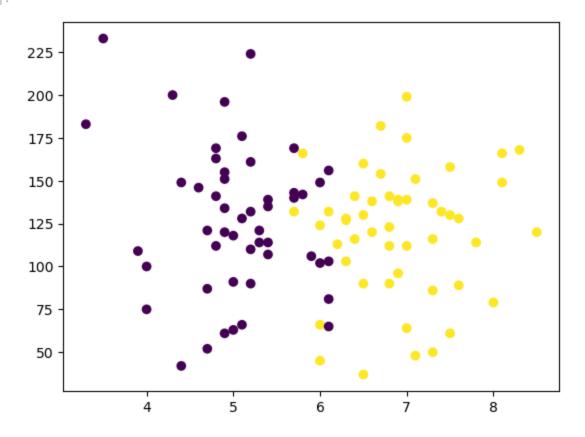
100 rows × 3 columns

```
In [12]: import matplotlib.pyplot as plt
```

Matplotlib is building the font cache; this may take a moment.

```
In [16]: plt.scatter(df['cgpa'], df['iq'], c=df['placement'])
```

Out[16]: <matplotlib.collections.PathCollection at 0x283cdecc550>



```
In [17]: x=df.iloc[:,0:2]
x
```

```
Out[17]: cgpa iq
0 6.8 123.0
1 5.9 106.0
2 5.3 121.0
3 7.4 132.0
4 5.8 142.0
```

```
96
              4.4
                  42.0
              6.7 182.0
         97
              6.3 103.0
         98
         99
              6.2 113.0
        100 rows × 2 columns
In [18]: y=df.iloc[:,-1]
         У
               1
Out[18]:
         2
               0
         3
               1
         4
               0
         95
               0
         96
               0
         97
               1
         98
               1
         99
               1
         Name: placement, Length: 100, dtype: int64
         from sklearn.model selection import train test split
In [21]:
         x train, x test, y train, y test=train test split(x, y, test size=0.1)
In [53]: x_train
         array([[ 0.63301068, 1.60034373],
Out[53]:
                [-0.93415169, -0.08361314],
                [-1.21070975, -0.89927974],
                [ 1.37049885, 0.96885991],
                [ 1.83142896, -1.10977435],
                [-1.02633771, 0.88992443],
                [-0.01229147, 0.73205347],
                [ 0.81738272, 0.44262338],
                [1.18612681, -0.92559157],
                [ 1.18612681, 0.41631156],
                [-0.28884953, 0.57418251],
                [-0.19666351, 1.17935451],
                [0.90956875, -0.24148409],
                [-1.30289577, 0.65311799],
                [-0.65759362, -0.18886044],
                [0.07989455, -1.0571507],
                [ 0.90956875, 0.46893521],
                [0.7251967, 0.04794599],
                [-0.5654076, -0.18886044],
                [-0.74977964, 2.70544042],
                [-1.8560119 , -1.21502166],
                [-0.74977964, 0.28475243],
                [ 0.44863864, 1.02148356],
                [-1.11852373, 1.25828999],
                [-1.8560119, -0.557226],
                [-0.65759362, -0.00467766],
                [ 0.2642666 , 0.17950512],
                [-1.48726782, 0.73205347],
                [-0.74977964, 1.04779538],
                [0.7251967, -0.82034427],
```

[0.7251967 , -0.24148409],

4.3 200.0

95

```
[-1.02633771, -1.58338722],
                [-1.11852373, -0.24148409],
                [0.17208057, -0.21517227],
                [-1.02633771, -0.03098948],
                [ 1.18612681, -1.87281731],
                [-2.31694201, 2.94224686],
                [-0.5654076, 0.46893521],
                [-1.21070975, -0.00467766],
                [ 0.07989455, 0.28475243],
                [ 0.7251967 , 0.52155886],
                [0.44863864, -0.82034427],
                [ 2.29235907, -0.03098948],
                [ 1.00175477, 0.78467712],
                [-1.02633771, 0.78467712],
                [1.18612681, -0.13623679],
                [-0.93415169, -1.53076357],
                [0.07989455, -0.47829053],
                [ 1.46268488, -0.84665609],
                [-0.10447749, -0.39935505],
                [-0.28884953, 0.28475243],
                [-0.01229147, -1.45182809],
                [1.00175477, -1.92544096],
                [ 1.37049885, 0.23212878],
                [-0.74977964, -0.29410774],
                [0.90956875, -1.50445174],
                [ 1.46268488, 0.17950512],
                [-1.21070975, -1.82019365],
                [ 0.63301068, 0.8636126 ],
                [ 1.92361498, 0.73205347],
                [-0.5654076, -0.37304322],
                [-0.84196566, 1.44247277],
                [ 1.64705692, -0.18886044],
                [-0.01229147, -2.00437644],
                [-0.28884953, 0.49524704],
                [ 0.2642666 , 0.1531933 ],
                [0.2642666, -0.47829053],
                [ 0.07989455, 0.91623625],
                [-0.01229147, -0.50460235],
                [-1.94819792, -0.32041957],
                [ 1.37049885, -1.58338722],
                [-0.28884953, 1.25828999],
                [-0.84196566, -1.45182809],
                [ 0.35645262, 0.52155886],
                [-0.5654076, 0.36368791],
                [ 2.10798703, 1.23197817],
                [-1.11852373, 0.52155886],
                [-0.74977964, -0.82034427],
                [0.07989455, -1.47813992],
                [-0.01229147, 0.07425782],
                [-0.84196566, 0.17950512],
                [ 0.54082466, 0.44262338],
                [-1.11852373, 1.10041904],
                [0.54082466, -0.03098948],
                [-1.02633771, 1.96870929],
                [0.35645262, -0.13623679],
                [0.44863864, -2.21487105],
                [-0.19666351, 0.54787069],
                [0.81738272, -0.66247331]])
        from sklearn.preprocessing import StandardScaler
In [55]: scaler = StandardScaler()
In [56]: x train = scaler.fit transform(x train)
```

[0.81738272, 0.46893521],

In [54]:

```
In [57]: x_train
        array([[ 0.63301068, 1.60034373],
Out[57]:
                [-0.93415169, -0.08361314],
                [-1.21070975, -0.89927974],
                [ 1.37049885, 0.96885991],
                [ 1.83142896, -1.10977435],
                [-1.02633771, 0.88992443],
                [-0.01229147, 0.73205347],
                [ 0.81738272, 0.44262338],
                [1.18612681, -0.92559157],
                [ 1.18612681, 0.41631156],
                [-0.28884953, 0.57418251],
                [-0.19666351, 1.17935451],
                [0.90956875, -0.24148409],
                [-1.30289577, 0.65311799],
                [-0.65759362, -0.18886044],
                [0.07989455, -1.0571507],
                [ 0.90956875, 0.46893521],
                [ 0.7251967 , 0.04794599],
                [-0.5654076, -0.18886044],
                [-0.74977964, 2.70544042],
                [-1.8560119, -1.21502166],
                [-0.74977964, 0.28475243],
                [ 0.44863864, 1.02148356],
                [-1.11852373, 1.25828999],
                [-1.8560119, -0.557226],
                [-0.65759362, -0.00467766],
                [0.2642666, 0.17950512],
                [-1.48726782, 0.73205347],
                [-0.74977964, 1.04779538],
                [0.7251967, -0.82034427],
                [ 0.7251967 , -0.24148409],
                [ 0.81738272, 0.46893521],
                [-1.02633771, -1.58338722],
                [-1.11852373, -0.24148409],
                [0.17208057, -0.21517227],
                [-1.02633771, -0.03098948],
                [ 1.18612681, -1.87281731],
                [-2.31694201, 2.94224686],
                [-0.5654076, 0.46893521],
                [-1.21070975, -0.00467766],
                [ 0.07989455, 0.28475243],
                [ 0.7251967 , 0.52155886],
                [0.44863864, -0.82034427],
                [ 2.29235907, -0.03098948],
                [ 1.00175477, 0.78467712],
                [-1.02633771, 0.78467712],
                [1.18612681, -0.13623679],
                [-0.93415169, -1.53076357],
                [0.07989455, -0.47829053],
                [ 1.46268488, -0.84665609],
                [-0.10447749, -0.39935505],
                [-0.28884953, 0.28475243],
                [-0.01229147, -1.45182809],
                [1.00175477, -1.92544096],
                [ 1.37049885, 0.23212878],
                [-0.74977964, -0.29410774],
                [0.90956875, -1.50445174],
                [ 1.46268488, 0.17950512],
                [-1.21070975, -1.82019365],
                [ 0.63301068, 0.8636126 ],
                [ 1.92361498, 0.73205347],
                [-0.5654076, -0.37304322],
```

```
[ 1.64705692, -0.18886044],
                [-0.01229147, -2.00437644],
                [-0.28884953, 0.49524704],
                [ 0.2642666 , 0.1531933 ],
                [0.2642666, -0.47829053],
                [ 0.07989455, 0.91623625],
                [-0.01229147, -0.50460235],
                [-1.94819792, -0.32041957],
                [ 1.37049885, -1.58338722],
                [-0.28884953, 1.25828999],
                [-0.84196566, -1.45182809],
                [ 0.35645262, 0.52155886],
                [-0.5654076, 0.36368791],
                [ 2.10798703, 1.23197817],
                [-1.11852373, 0.52155886],
                [-0.74977964, -0.82034427],
                [0.07989455, -1.47813992],
                [-0.01229147, 0.07425782],
                [-0.84196566, 0.17950512],
                [ 0.54082466, 0.44262338],
                [-1.11852373, 1.10041904],
                [0.54082466, -0.03098948],
                [-1.02633771, 1.96870929],
                [0.35645262, -0.13623679],
                [0.44863864, -2.21487105],
                [-0.19666351, 0.54787069],
                [ 0.81738272, -0.66247331]])
         x test=scaler.transform(x test)
In [67]:
In [68]:
         x test
         array([[-5.96650868, -3.10668207],
Out[68]:
                [-6.10865471, -3.10709635],
                [-6.53509278, -3.10745539],
                [-6.73409722, -3.10645191],
                [-6.56352199, -3.10705952],
                [-6.70566801, -3.10790649],
                [-5.85279186, -3.10707793],
                [-5.96650868, -3.10646112],
                [-7.01838927, -3.10660842],
                [-5.65378743, -3.10676492]])
In [69]: from sklearn.linear_model import LogisticRegression
In [70]:
         clf=LogisticRegression()
In [72]: # model training
         clf.fit(x train, y train)
Out[72]:
         ▼ LogisticRegression
         LogisticRegression()
In [81]: y_pred = clf.predict(x test)
         y_test
In [82]:
               1
Out[82]:
         57
               1
         25
               0
         95
               0
```

[-0.84196566, 1.44247277],

```
3
        26
              1
        17
              0
        65
              1
        Name: placement, dtype: int64
        from sklearn.metrics import accuracy score
In [83]:
        accuracy score(y_test,y_pred)
        0.5
Out[84]:
        from mlxtend.plotting import plot decision regions
In [88]:
        !pip3 install mlxtend
In [87]:
        Collecting mlxtend
          Downloading mlxtend-0.22.0-py2.py3-none-any.whl (1.4 MB)
             ----- 1.4/1.4 MB 651.2 kB/s eta 0:00:00
        Requirement already satisfied: scikit-learn>=1.0.2 in c:\users\adn\anaconda3\lib\site-pa
        ckages (from mlxtend) (1.2.1)
        Requirement already satisfied: scipy>=1.2.1 in c:\users\adn\anaconda3\lib\site-packages
        (from mlxtend) (1.10.0)
        Requirement already satisfied: numpy>=1.16.2 in c:\users\adn\anaconda3\lib\site-packages
        (from mlxtend) (1.23.5)
        Requirement already satisfied: setuptools in c:\users\adn\anaconda3\lib\site-packages (f
        rom mlxtend) (65.6.3)
        Requirement already satisfied: pandas>=0.24.2 in c:\users\adn\anaconda3\lib\site-package
        s (from mlxtend) (1.5.3)
        Requirement already satisfied: matplotlib>=3.0.0 in c:\users\adn\anaconda3\lib\site-pack
        ages (from mlxtend) (3.7.0)
        Requirement already satisfied: joblib>=0.13.2 in c:\users\adn\anaconda3\lib\site-package
        s (from mlxtend) (1.1.1)
        Requirement already satisfied: kiwisolver>=1.0.1 in c:\users\adn\anaconda3\lib\site-pack
        ages (from matplotlib>=3.0.0->mlxtend) (1.4.4)
        Requirement already satisfied: pyparsing>=2.3.1 in c:\users\adn\anaconda3\lib\site-packa
        ges (from matplotlib>=3.0.0->mlxtend) (3.0.9)
        Requirement already satisfied: pillow>=6.2.0 in c:\users\adn\anaconda3\lib\site-packages
        (from matplotlib>=3.0.0->mlxtend) (9.4.0)
        Requirement already satisfied: python-dateutil>=2.7 in c:\users\adn\anaconda3\lib\site-p
        ackages (from matplotlib>=3.0.0->mlxtend) (2.8.2)
        Requirement already satisfied: contourpy>=1.0.1 in c:\users\adn\anaconda3\lib\site-packa
        ges (from matplotlib>=3.0.0->mlxtend) (1.0.5)
        Requirement already satisfied: cycler>=0.10 in c:\users\adn\anaconda3\lib\site-packages
        (from matplotlib>=3.0.0->mlxtend) (0.11.0)
        Requirement already satisfied: fonttools>=4.22.0 in c:\users\adn\anaconda3\lib\site-pack
        ages (from matplotlib>=3.0.0->mlxtend) (4.25.0)
        Requirement already satisfied: packaging>=20.0 in c:\users\adn\anaconda3\lib\site-packag
        es (from matplotlib>=3.0.0->mlxtend) (22.0)
        Requirement already satisfied: pytz>=2020.1 in c:\users\adn\anaconda3\lib\site-packages
        (from pandas>=0.24.2->mlxtend) (2022.7)
        Requirement already satisfied: threadpoolctl>=2.0.0 in c:\users\adn\anaconda3\lib\site-p
        ackages (from scikit-learn>=1.0.2->mlxtend) (2.2.0)
        Requirement already satisfied: six>=1.5 in c:\users\adn\anaconda3\lib\site-packages (fro
        m python-dateutil>=2.7->matplotlib>=3.0.0->mlxtend) (1.16.0)
        Installing collected packages: mlxtend
        Successfully installed mlxtend-0.22.0
        plot decision regions(x train,y train.values,clf=clf,legend=2)
In [90]:
```

40

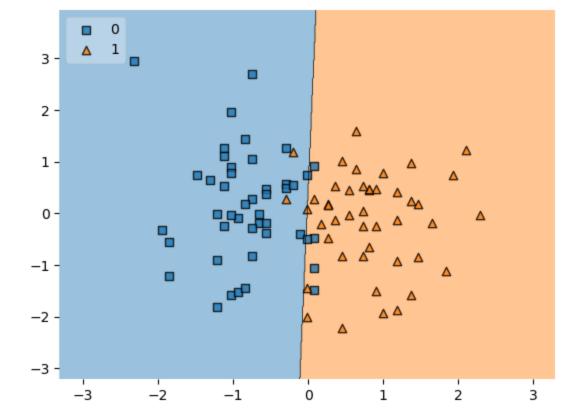
96

0

0

<Axes: >

Out[90]:



```
In [91]: import pickle
```

In [92]: pickle.dump(clf, open('model.pkl','wb'))

In [93]: !pip install nbconvert[webpdf]

Requirement already satisfied: nbconvert[webpdf] in c:\users\adn\anaconda3\lib\site-pack ages (6.5.4)

Requirement already satisfied: lxml in c:\users\adn\anaconda3\lib\site-packages (from nb convert[webpdf]) (4.9.1)

Requirement already satisfied: beautifulsoup4 in c:\users\adn\anaconda3\lib\site-package s (from nbconvert[webpdf]) (4.11.1)

Requirement already satisfied: jupyterlab-pygments in c:\users\adn\anaconda3\lib\site-pa ckages (from nbconvert[webpdf]) (0.1.2)

Requirement already satisfied: defusedxml in c:\users\adn\anaconda3\lib\site-packages (f rom nbconvert[webpdf]) (0.7.1)

Requirement already satisfied: jinja2>=3.0 in c:\users\adn\anaconda3\lib\site-packages (from nbconvert[webpdf]) (3.1.2)

Requirement already satisfied: nbclient>=0.5.0 in c:\users\adn\anaconda3\lib\site-packag es (from nbconvert[webpdf]) (0.5.13)

Requirement already satisfied: nbformat>=5.1 in c:\users\adn\anaconda3\lib\site-packages (from nbconvert[webpdf]) (5.7.0)

Requirement already satisfied: pygments>=2.4.1 in c:\users\adn\anaconda3\lib\site-packag es (from nbconvert[webpdf]) (2.11.2)

Requirement already satisfied: traitlets>=5.0 in c:\users\adn\anaconda3\lib\site-package s (from nbconvert[webpdf]) (5.7.1)

Requirement already satisfied: mistune<2,>=0.8.1 in c:\users\adn\anaconda3\lib\site-pack ages (from nbconvert[webpdf]) (0.8.4)

Requirement already satisfied: jupyter-core>=4.7 in c:\users\adn\anaconda3\lib\site-pack ages (from nbconvert[webpdf]) (5.2.0)

Requirement already satisfied: MarkupSafe>=2.0 in c:\users\adn\anaconda3\lib\site-packag es (from nbconvert[webpdf]) (2.1.1)

Requirement already satisfied: tinycss2 in c:\users\adn\anaconda3\lib\site-packages (fro m nbconvert[webpdf]) (1.2.1)

Requirement already satisfied: packaging in c:\users\adn\anaconda3\lib\site-packages (fr om nbconvert[webpdf]) (22.0)

Requirement already satisfied: entrypoints>=0.2.2 in c:\users\adn\anaconda3\lib\site-pac kages (from nbconvert[webpdf]) (0.4)

```
Requirement already satisfied: pandocfilters>=1.4.1 in c:\users\adn\anaconda3\lib\site-p
ackages (from nbconvert[webpdf]) (1.5.0)
Requirement already satisfied: bleach in c:\users\adn\anaconda3\lib\site-packages (from
nbconvert[webpdf]) (4.1.0)
Collecting pyppeteer<1.1,>=1
  Downloading pyppeteer-1.0.2-py3-none-any.whl (83 kB)
     ----- 83.4/83.4 kB 425.2 kB/s eta 0:00:00
Requirement already satisfied: pywin32>=1.0 in c:\users\adn\anaconda3\lib\site-packages
(from jupyter-core>=4.7->nbconvert[webpdf]) (305.1)
Requirement already satisfied: platformdirs>=2.5 in c:\users\adn\anaconda3\lib\site-pack
ages (from jupyter-core>=4.7->nbconvert[webpdf]) (2.5.2)
Requirement already satisfied: jupyter-client>=6.1.5 in c:\users\adn\anaconda3\lib\site-
packages (from nbclient>=0.5.0->nbconvert[webpdf]) (7.3.4)
Requirement already satisfied: nest-asyncio in c:\users\adn\anaconda3\lib\site-packages
(from nbclient>=0.5.0->nbconvert[webpdf]) (1.5.6)
Requirement already satisfied: fastjsonschema in c:\users\adn\anaconda3\lib\site-package
s (from nbformat>=5.1->nbconvert[webpdf]) (2.16.2)
Requirement already satisfied: jsonschema>=2.6 in c:\users\adn\anaconda3\lib\site-packag
es (from nbformat>=5.1->nbconvert[webpdf]) (4.17.3)
Requirement already satisfied: importlib-metadata>=1.4 in c:\users\adn\anaconda3\lib\sit
e-packages (from pyppeteer<1.1,>=1->nbconvert[webpdf]) (4.11.3)
Requirement already satisfied: urllib3<2.0.0,>=1.25.8 in c:\users\adn\anaconda3\lib\site
-packages (from pyppeteer<1.1,>=1->nbconvert[webpdf]) (1.26.14)
Requirement already satisfied: appdirs<2.0.0,>=1.4.3 in c:\users\adn\anaconda3\lib\site-
packages (from pyppeteer<1.1,>=1->nbconvert[webpdf]) (1.4.4)
Requirement already satisfied: certifi>=2021 in c:\users\adn\anaconda3\lib\site-packages
(from pyppeteer<1.1,>=1->nbconvert[webpdf]) (2023.5.7)
Collecting pyee<9.0.0,>=8.1.0
 Downloading pyee-8.2.2-py2.py3-none-any.whl (12 kB)
Collecting websockets<11.0,>=10.0
  Downloading websockets-10.4-cp310-cp310-win amd64.whl (101 kB)
     ----- 101.4/101.4 kB 1.2 MB/s eta 0:00:00
Requirement already satisfied: tqdm<5.0.0,>=4.42.1 in c:\users\adn\anaconda3\lib\site-pa
ckages (from pyppeteer<1.1,>=1->nbconvert[webpdf]) (4.64.1)
Requirement already satisfied: soupsieve>1.2 in c:\users\adn\anaconda3\lib\site-packages
(from beautifulsoup4->nbconvert[webpdf]) (2.3.2.post1)
Requirement already satisfied: six>=1.9.0 in c:\users\adn\anaconda3\lib\site-packages (f
rom bleach->nbconvert[webpdf]) (1.16.0)
Requirement already satisfied: webencodings in c:\users\adn\anaconda3\lib\site-packages
(from bleach->nbconvert[webpdf]) (0.5.1)
Requirement already satisfied: zipp>=0.5 in c:\users\adn\anaconda3\lib\site-packages (fr
om importlib-metadata>=1.4->pyppeteer<1.1,>=1->nbconvert[webpdf]) (3.11.0)
Requirement already satisfied: pyrsistent!=0.17.0,!=0.17.1,!=0.17.2,>=0.14.0 in c:\users
\adn\anaconda3\lib\site-packages (from jsonschema>=2.6->nbformat>=5.1->nbconvert[webpd
f]) (0.18.0)
Requirement already satisfied: attrs>=17.4.0 in c:\users\adn\anaconda3\lib\site-packages
(from jsonschema>=2.6->nbformat>=5.1->nbconvert[webpdf]) (22.1.0)
Requirement already satisfied: python-dateutil>=2.8.2 in c:\users\adn\anaconda3\lib\site
-packages (from jupyter-client>=6.1.5->nbclient>=0.5.0->nbconvert[webpdf]) (2.8.2)
Requirement already satisfied: tornado>=6.0 in c:\users\adn\anaconda3\lib\site-packages
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Requirement already satisfied: pyzmg>=23.0 in c:\users\adn\anaconda3\lib\site-packages
(from jupyter-client>=6.1.5->nbclient>=0.5.0->nbconvert[webpdf]) (23.2.0)
Requirement already satisfied: colorama in c:\users\adn\anaconda3\lib\site-packages (fro
m tqdm<5.0.0,>=4.42.1->pyppeteer<1.1,>=1->nbconvert[webpdf]) (0.4.6)
Installing collected packages: pyee, websockets, pyppeteer
Successfully installed pyee-8.2.2 pyppeteer-1.0.2 websockets-10.4
```

In [95]: !--allow-chromium-download

'--allow-chromium-download' is not recognized as an internal or external command, operable program or batch file.

In [97]: !jupyter nbconvert --allow-chromium-download end-to-end-toy.ipynb

```
Traceback (most recent call last):
 File "C:\Users\Adn\anaconda3\Scripts\jupyter-nbconvert-script.py", line 10, in <module
    sys.exit(main())
 File "C:\Users\Adn\anaconda3\lib\site-packages\jupyter core\application.py", line 277,
in launch instance
   return super().launch instance(argv=argv, **kwargs)
  File "C:\Users\Adn\anaconda3\lib\site-packages\traitlets\config\application.py", line
992, in launch instance
   app.start()
 File "C:\Users\Adn\anaconda3\lib\site-packages\nbconvert\nbconvertapp.py", line 423, i
n start
   self.convert notebooks()
 File "C:\Users\Adn\anaconda3\lib\site-packages\nbconvert\nbconvertapp.py", line 585, i
n convert notebooks
    raise ValueError(
ValueError: Please specify an output format with '--to <format>'.
The following formats are available: ['asciidoc', 'custom', 'html', 'latex', 'markdown',
'notebook', 'pdf', 'python', 'rst', 'script', 'slides', 'webpdf']
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In [98]: !pyppeteer-install

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             | 38.6M/137M [00:28<02:12, 739kb/s]
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             | 38.7M/137M [00:28<02:02, 800kb/s]
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             | 38.8M/137M [00:28<02:13, 736kb/s]
             | 39.0M/137M [00:28<01:59, 820kb/s]
28%|##8
             | 39.1M/137M [00:28<01:55, 848kb/s]
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             | 39.2M/137M [00:29<02:03, 788kb/s]
29% | ##8
             | 39.3M/137M [00:29<02:11, 744kb/s]
             | 39.4M/137M [00:29<01:59, 816kb/s]
29% | ##8
             | 39.5M/137M [00:29<01:58, 823kb/s]
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             | 39.6M/137M [00:29<03:44, 434kb/s]
             | 39.8M/137M [00:30<02:07, 759kb/s]
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             | 39.9M/137M [00:30<02:13, 726kb/s]
             | 40.0M/137M [00:30<02:03, 786kb/s]
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             | 40.2M/137M [00:30<02:05, 771kb/s]
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             | 40.3M/137M [00:30<02:00, 804kb/s]
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            | 40.4M/137M [00:30<01:59, 811kb/s]
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             | 40.5M/137M [00:30<01:54, 843kb/s]
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             | 40.6M/137M [00:30<01:54, 843kb/s]
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| 40.7M/137M [00:31<01:47, 894kb/s]
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              | 40.8M/137M [00:31<01:50, 871kb/s]
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             | 40.9M/137M [00:31<01:48, 884kb/s]
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              | 41.0M/137M [00:31<01:40, 952kb/s]
             | 41.1M/137M [00:31<01:45, 910kb/s]
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             | 41.2M/137M [00:31<01:42, 933kb/s]
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             | 41.3M/137M [00:31<01:42, 928kb/s]
              | 41.4M/137M [00:31<01:42, 931kb/s]
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             | 41.5M/137M [00:32<01:54, 830kb/s]
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             | 41.7M/137M [00:32<01:49, 867kb/s]
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              | 41.7M/137M [00:32<02:11, 721kb/s]
             | 41.8M/137M [00:32<02:23, 660kb/s]
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             | 41.9M/137M [00:32<02:07, 748kb/s]
             | 42.1M/137M [00:32<01:55, 819kb/s]
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              | 42.2M/137M [00:32<01:47, 880kb/s]
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             | 42.3M/137M [00:32<01:44, 910kb/s]
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             | 42.4M/137M [00:33<01:40, 944kb/s]
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             | 42.5M/137M [00:33<02:09, 730kb/s]
             | 42.6M/137M [00:33<01:50, 857kb/s]
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             | 42.8M/137M [00:33<01:43, 914kb/s]
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             | 43.0M/137M [00:34<02:40, 585kb/s]
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             | 43.4M/137M [00:34<01:31, 1.02Mb/s]
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              | 43.6M/137M [00:34<01:34, 992kb/s]
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             | 43.7M/137M [00:34<01:33, 1.00Mb/s]
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             | 43.8M/137M [00:34<01:33, 996kb/s]
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             | 43.9M/137M [00:34<01:42, 907kb/s]
              | 44.1M/137M [00:34<01:29, 1.04Mb/s]
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             | 44.2M/137M [00:35<01:52, 823kb/s]
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             | 44.3M/137M [00:35<02:12, 702kb/s]
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              | 44.4M/137M [00:35<01:56, 792kb/s]
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             | 44.5M/137M [00:35<02:21, 654kb/s]
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             | 44.7M/137M [00:35<01:32, 996kb/s]
             | 44.9M/137M [00:35<01:26, 1.07Mb/s]
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              | 45.0M/137M [00:36<01:37, 944kb/s]
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             | 45.1M/137M [00:36<01:54, 803kb/s]
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             | 45.3M/137M [00:36<01:28, 1.04Mb/s]
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             | 45.4M/137M [00:36<01:47, 851kb/s]
             | 45.7M/137M [00:36<01:14, 1.23Mb/s]
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             | 45.9M/137M [00:36<01:21, 1.12Mb/s]
34% | ###3
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             | 46.0M/137M [00:37<01:22, 1.10Mb/s]
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             | 46.2M/137M [00:37<01:28, 1.03Mb/s]
34% | ###3
              | 46.3M/137M [00:37<01:34, 962kb/s]
             | 46.4M/137M [00:37<01:24, 1.07Mb/s]
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             | 46.5M/137M [00:37<01:23, 1.08Mb/s]
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              | 46.7M/137M [00:37<01:26, 1.05Mb/s]
             | 46.8M/137M [00:37<01:22, 1.09Mb/s]
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             | 46.9M/137M [00:37<01:19, 1.13Mb/s]
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             | 47.1M/137M [00:38<01:17, 1.15Mb/s]
              | 47.2M/137M [00:38<01:54, 787kb/s]
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             | 47.3M/137M [00:38<01:46, 840kb/s]
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             | 47.7M/137M [00:38<01:27, 1.02Mb/s]
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             | 48.0M/137M [00:39<01:29, 989kb/s]
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             | 48.3M/137M [00:39<01:07, 1.30Mb/s]
             | 48.5M/137M [00:39<01:06, 1.33Mb/s]
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             | 48.6M/137M [00:39<01:14, 1.18Mb/s]
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             | 48.9M/137M [00:39<01:10, 1.24Mb/s]
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| 49.4M/137M [00:40<01:09, 1.27Mb/s]
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              | 49.5M/137M [00:40<01:08, 1.28Mb/s]
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             | 50.0M/137M [00:40<01:42, 847kb/s]
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             | 50.1M/137M [00:40<01:41, 852kb/s]
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             | 50.2M/137M [00:41<01:35, 905kb/s]
              | 50.3M/137M [00:41<01:32, 934kb/s]
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             | 50.5M/137M [00:41<01:30, 958kb/s]
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             | 50.8M/137M [00:41<01:37, 884kb/s]
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             | 50.9M/137M [00:41<02:07, 672kb/s]
             | 51.0M/137M [00:42<02:12, 649kb/s]
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              | 51.1M/137M [00:42<02:00, 712kb/s]
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             | 51.3M/137M [00:42<01:28, 967kb/s]
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             | 51.8M/137M [00:42<01:21, 1.05Mb/s]
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             | 52.0M/137M [00:42<01:15, 1.12Mb/s]
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             | 52.1M/137M [00:42<01:10, 1.19Mb/s]
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              | 52.2M/137M [00:43<01:35, 885kb/s]
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             | 52.3M/137M [00:43<01:34, 897kb/s]
             | 52.5M/137M [00:43<01:29, 944kb/s]
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             | 52.7M/137M [00:43<01:26, 977kb/s]
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             | 53.3M/137M [00:44<01:06, 1.25Mb/s]
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             | 54.1M/137M [00:44<01:00, 1.38Mb/s]
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              | 54.7M/137M [00:45<01:35, 860kb/s]
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              | 54.8M/137M [00:45<01:35, 863kb/s]
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             | 54.9M/137M [00:45<01:58, 692kb/s]
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             | 55.0M/137M [00:46<02:18, 593kb/s]
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              | 55.1M/137M [00:46<02:03, 662kb/s]
              | 55.2M/137M [00:46<02:21, 576kb/s]
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             | 55.5M/137M [00:46<01:25, 955kb/s]
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             | 57.4M/137M [00:47<01:06, 1.20Mb/s]
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              | 58.4M/137M [00:48<00:51, 1.53Mb/s]
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             | 58.5M/137M [00:48<00:53, 1.46Mb/s]
             | 58.7M/137M [00:48<00:55, 1.40Mb/s]
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              | 58.8M/137M [00:48<00:58, 1.32Mb/s]
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| 59.0M/137M [00:49<01:13, 1.06Mb/s]
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             | 59.6M/137M [00:49<01:01, 1.25Mb/s]
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             | 60.2M/137M [00:50<01:01, 1.24Mb/s]
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             | 60.8M/137M [00:50<01:19, 957kb/s]
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             | 60.9M/137M [00:50<01:20, 947kb/s]
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             | 61.0M/137M [00:51<01:51, 680kb/s]
             | 61.2M/137M [00:51<01:43, 732kb/s]
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              | 61.3M/137M [00:51<02:14, 561kb/s]
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             | 61.4M/137M [00:51<02:09, 582kb/s]
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             | 61.5M/137M [00:51<02:05, 601kb/s]
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             | 63.8M/137M [00:55<02:14, 542kb/s]
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             | 65.1M/137M [00:57<01:22, 865kb/s]
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             | 65.4M/137M [00:57<01:11, 1.00Mb/s]
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             | 65.6M/137M [00:57<01:10, 1.01Mb/s]
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              | 65.7M/137M [00:57<01:12, 978kb/s]
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             | 65.9M/137M [00:58<01:07, 1.05Mb/s]
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| 66.3M/137M [00:58<01:18, 897kb/s]
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             | 66.5M/137M [00:58<01:03, 1.12Mb/s]
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             | 66.8M/137M [00:58<00:56, 1.25Mb/s]
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             | 66.9M/137M [00:59<01:19, 885kb/s]
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             | 67.6M/137M [00:59<00:49, 1.39Mb/s]
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             [ 67.8M/137M [00:59<00:47, 1.45Mb/s]
             | 68.0M/137M [00:59<00:44, 1.54Mb/s]
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             | 68.2M/137M [00:59<00:43, 1.58Mb/s]
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             | 68.4M/137M [00:59<00:40, 1.68Mb/s]
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             | 68.6M/137M [01:00<00:37, 1.82Mb/s]
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             [ 69.0M/137M [01:00<00:44, 1.52Mb/s]
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             [ 69.2M/137M [01:01<02:12, 513kb/s]
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             | 69.3M/137M [01:01<01:58, 573kb/s]
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             [ 69.5M/137M [01:01<01:25, 788kb/s]
             | 69.7M/137M [01:01<01:18, 853kb/s]
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            [ 69.8M/137M [01:01<01:18, 853kb/s]
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             | 70.1M/137M [01:02<01:10, 949kb/s]
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             | 70.2M/137M [01:02<01:28, 756kb/s]
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             | 70.3M/137M [01:02<02:28, 449kb/s]
51%|#####1
             | 70.4M/137M [01:03<02:21, 470kb/s]
51%|#####1
           | 70.7M/137M [01:03<01:22, 802kb/s]
52%|#####1
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           | 70.8M/137M [01:03<01:21, 814kb/s]
52%|#####1
          | 71.0M/137M [01:03<01:25, 768kb/s]
             | 71.1M/137M [01:03<01:17, 852kb/s]
52%|#####1
52%|#####2
             | 71.2M/137M [01:03<01:10, 931kb/s]
52%|#####2
             | 71.4M/137M [01:03<01:05, 999kb/s]
             | 71.5M/137M [01:04<01:24, 776kb/s]
52%|#####2
             | 71.6M/137M [01:04<01:30, 722kb/s]
52% | #####2
52%|#####2
           | 71.7M/137M [01:04<01:32, 705kb/s]
           | 71.8M/137M [01:04<01:31, 715kb/s]
52%|#####2
             | 71.9M/137M [01:04<01:26, 753kb/s]
52% | #####2
53%|#####2
             | 71.9M/137M [01:04<01:56, 558kb/s]
53%|#####2
             | 72.0M/137M [01:05<01:52, 579kb/s]
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53%|#####2
             | 72.2M/137M [01:05<01:51, 582kb/s]
53% | #####2
            | 72.3M/137M [01:05<01:32, 696kb/s]
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53% | #####2
           | 72.3M/137M [01:05<01:48, 596kb/s]
53%|#####2
             | 72.5M/137M [01:05<01:27, 738kb/s]
             | 72.6M/137M [01:05<01:23, 770kb/s]
53%|#####3
             | 72.7M/137M [01:05<01:30, 708kb/s]
53%|#####3
             | 72.8M/137M [01:06<01:25, 749kb/s]
53%|#####3
             | 72.9M/137M [01:06<01:14, 856kb/s]
53%|#####3
            | 73.0M/137M [01:06<01:23, 768kb/s]
53%|#####3
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           | 73.2M/137M [01:06<01:05, 969kb/s]
54% | #####3
           | 73.3M/137M [01:06<01:28, 719kb/s]
             | 73.4M/137M [01:06<01:30, 703kb/s]
54%|#####3
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             | 73.5M/137M [01:07<01:37, 651kb/s]
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             | 73.6M/137M [01:07<01:37, 652kb/s]
             | 73.6M/137M [01:07<01:38, 645kb/s]
54%|#####3
             | 73.7M/137M [01:07<01:36, 653kb/s]
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           | 73.8M/137M [01:07<01:23, 754kb/s]
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           | 73.9M/137M [01:07<01:20, 779kb/s]
54% | #####4
             | 74.0M/137M [01:07<01:28, 712kb/s]
             | 74.2M/137M [01:07<01:08, 922kb/s]
54%|#####4
             | 74.3M/137M [01:08<01:15, 827kb/s]
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             | 74.4M/137M [01:08<01:29, 701kb/s]
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             | 74.5M/137M [01:08<02:08, 487kb/s]
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55%|#####4
           | 74.6M/137M [01:08<01:47, 577kb/s]
55% | ######4
           | 74.8M/137M [01:08<01:26, 714kb/s]
55%|#####4
             | 74.9M/137M [01:09<01:15, 817kb/s]
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75.1M/137M [01:09<01:07, 922kb/s]
55% | #####4
              | 75.2M/137M [01:09<01:14, 833kb/s]
55% | #####4
55% | #####5
             | 75.4M/137M [01:09<00:59, 1.03Mb/s]
55%|#####5
             | 75.6M/137M [01:09<00:46, 1.31Mb/s]
             | 75.8M/137M [01:09<00:45, 1.33Mb/s]
55% | #####5
            | 75.9M/137M [01:09<00:48, 1.26Mb/s]
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56% | #####5
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57% | #####6
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             | 78.0M/137M [01:11<00:35, 1.65Mb/s]
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             | 78.2M/137M [01:11<00:33, 1.77Mb/s]
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            78.8M/137M [01:11<00:31, 1.85Mb/s]
58% | #####7
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             | 79.3M/137M [01:11<00:31, 1.82Mb/s]
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             | 80.2M/137M [01:12<00:26, 2.12Mb/s]
59%|#####8
             | 80.4M/137M [01:12<00:25, 2.18Mb/s]
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           | 80.6M/137M [01:12<00:35, 1.58Mb/s]
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             | 81.2M/137M [01:12<00:36, 1.54Mb/s]
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             | 81.4M/137M [01:13<00:37, 1.47Mb/s]
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             | 81.8M/137M [01:13<00:31, 1.74Mb/s]
           | 82.1M/137M [01:13<00:30, 1.78Mb/s]
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            | 83.7M/137M [01:14<00:24, 2.17Mb/s]
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            | 85.6M/137M [01:15<00:23, 2.22Mb/s]
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           | 86.9M/137M [01:15<00:29, 1.67Mb/s]
64%|###### 87.2M/137M [01:16<00:27, 1.82Mb/s]
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64%|###### 87.6M/137M [01:16<00:26, 1.87Mb/s]
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            | 88.2M/137M [01:16<00:27, 1.78Mb/s]
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| 89.4M/137M [01:17<00:36, 1.31Mb/s]
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67%|######7 | 91.9M/137M [01:19<00:25, 1.75Mb/s]
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            | 92.4M/137M [01:19<00:26, 1.70Mb/s]
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87%|######## 1 119M/137M [01:33<00:16, 1.04Mb/s]
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88%|######## 1 120M/137M [01:34<00:16, 1.06Mb/s]
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88%|######## 121M/137M [01:34<00:12, 1.28Mb/s]
88\% \mid \#\#\#\#\#\#\#\# = 121M/137M \quad [01:34<00:12, 1.31Mb/s]
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88%|######## 1 121M/137M [01:35<00:11, 1.41Mb/s]
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89%|######## 1 121M/137M [01:35<00:17, 911kb/s]
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89%|######## 122M/137M [01:37<00:36, 397kb/s]
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90%|######## 1 123M/137M [01:38<00:39, 361kb/s]
90%|######## 1 123M/137M [01:38<00:32, 433kb/s]
90%|######## 1 123M/137M [01:38<00:31, 439kb/s]
90%|######## 1 123M/137M [01:39<00:25, 534kb/s]
90%|######## 1 123M/137M [01:39<00:33, 408kb/s]
90%|######## 123M/137M [01:39<00:33, 415kb/s]
90%|######## | 123M/137M [01:39<00:32, 425kb/s]
90%|######## | 123M/137M [01:39<00:23, 573kb/s]
90%|######## | 124M/137M [01:39<00:21, 633kb/s]
90%|######## | 124M/137M [01:40<00:19, 681kb/s]
90%|######## | 124M/137M [01:40<00:18, 696kb/s]
90%|######## | 124M/137M [01:40<00:23, 550kb/s]
90%|######## | 124M/137M [01:40<00:30, 424kb/s]
91%|######### | 124M/137M [01:41<00:50, 257kb/s]
91%|######## | 124M/137M [01:41<00:37, 347kb/s]
91%|######## | 124M/137M [01:41<00:28, 441kb/s]
91%|######## | 124M/137M [01:41<00:26, 481kb/s]
91%|######### | 124M/137M [01:41<00:22, 559kb/s]
91%|######## | 124M/137M [01:41<00:22, 560kb/s]
91%|######## | 124M/137M [01:42<00:30, 414kb/s]
91%|######## | 125M/137M [01:42<00:25, 488kb/s]
91%|##########1| 125M/137M [01:42<00:36, 332kb/s]
91%|#########1| 125M/137M [01:43<00:28, 418kb/s]
91%|##########1| 125M/137M [01:43<00:24, 496kb/s]
91%|##########1| 125M/137M [01:43<00:20, 579kb/s]
91%|##########1| 125M/137M [01:43<00:20, 577kb/s]
91%|#########1| 125M/137M [01:43<00:17, 672kb/s]
92%|#########1| 125M/137M [01:43<00:17, 667kb/s]
92%|#########1| 125M/137M [01:44<00:23, 493kb/s]
92%|#########1| 125M/137M [01:44<00:24, 474kb/s]
92%|##########1| 126M/137M [01:44<00:20, 547kb/s]
92%|#########1| 126M/137M [01:44<00:21, 525kb/s]
92%|#########1| 126M/137M [01:44<00:20, 533kb/s]
92%|#########1| 126M/137M [01:44<00:18, 608kb/s]
92%|########## 126M/137M [01:45<00:14, 736kb/s]
92%|########## 126M/137M [01:45<00:27, 393kb/s]
92%|########## 126M/137M [01:45<00:25, 422kb/s]
92%|########## 126M/137M [01:45<00:21, 485kb/s]
```

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92%|########## 126M/137M [01:45<00:21, 492kb/s]
92%|########## 126M/137M [01:46<00:22, 477kb/s]
92%|########## 126M/137M [01:46<00:23, 441kb/s]
92%|########## 127M/137M [01:46<00:20, 507kb/s]
92%|########## 127M/137M [01:46<00:19, 541kb/s]
93%|########## 127M/137M [01:46<00:20, 491kb/s]
93%|########## 127M/137M [01:46<00:15, 645kb/s]
93%|########## 127M/137M [01:46<00:14, 671kb/s]
93%|########## 127M/137M [01:46<00:13, 714kb/s]
93%|########## 127M/137M [01:47<00:13, 732kb/s]
93%|########## 127M/137M [01:47<00:12, 775kb/s]
93%|########## 127M/137M [01:47<00:12, 794kb/s]
93%|########## 127M/137M [01:47<00:11, 835kb/s]
93%|########## 127M/137M [01:47<00:11, 830kb/s]
93%|########## 128M/137M [01:47<00:12, 738kb/s]
93%|########## 128M/137M [01:47<00:12, 741kb/s]
93%|########## 128M/137M [01:47<00:10, 895kb/s]
93%|########## 128M/137M [01:48<00:09, 918kb/s]
94%|########## 128M/137M [01:48<00:09, 933kb/s]
94%|########## 128M/137M [01:48<00:09, 956kb/s]
94%|######### 128M/137M [01:48<00:12, 703kb/s]
94%|########## 1 128M/137M [01:48<00:12, 691kb/s]
94%|########## 1 128M/137M [01:48<00:11, 761kb/s]
94%|########## 129M/137M [01:48<00:13, 620kb/s]
94%|########## 129M/137M [01:49<00:13, 608kb/s]
94%|########## 129M/137M [01:49<00:11, 733kb/s]
94%|########## 129M/137M [01:49<00:09, 816kb/s]
94%|########## 129M/137M [01:49<00:09, 867kb/s]
94%|########## 129M/137M [01:49<00:07, 992kb/s]
94%|########## 129M/137M [01:49<00:07, 1.03Mb/s]
94%|########### 129M/137M [01:49<00:07, 1.05Mb/s]
95%|#########4| 129M/137M [01:49<00:06, 1.10Mb/s]
95%|########## 130M/137M [01:49<00:06, 1.08Mb/s]
95%|########## 130M/137M [01:50<00:08, 891kb/s]
95%|########## 130M/137M [01:50<00:07, 898kb/s]
95%|########## 130M/137M [01:50<00:08, 821kb/s]
95%|########### 130M/137M [01:50<00:10, 660kb/s]
95%|######### 130M/137M [01:50<00:10, 672kb/s]
95%|######### 130M/137M [01:50<00:09, 696kb/s]
95%|######### 130M/137M [01:50<00:07, 926kb/s]
95%|########## 130M/137M [01:51<00:06, 1.00Mb/s]
95%|#########5| 131M/137M [01:51<00:06, 973kb/s]
95%|#########5| 131M/137M [01:51<00:06, 1.01Mb/s]
96%|#########5| 131M/137M [01:51<00:06, 969kb/s]
96%|#########5| 131M/137M [01:51<00:06, 948kb/s]
96%|#########5| 131M/137M [01:51<00:04, 1.18Mb/s]
96%|#########5| 131M/137M [01:51<00:04, 1.16Mb/s]
96%|#########5| 131M/137M [01:51<00:05, 1.09Mb/s]
96%|#########6| 131M/137M [01:52<00:06, 816kb/s]
96%|##########6| 132M/137M [01:52<00:06, 817kb/s]
96%|#########6| 132M/137M [01:52<00:08, 643kb/s]
96%|#########6| 132M/137M [01:52<00:07, 665kb/s]
96%|#########6| 132M/137M [01:52<00:06, 728kb/s]
96%|#########6| 132M/137M [01:52<00:06, 780kb/s]
96%|#########6| 132M/137M [01:52<00:06, 790kb/s]
97%|#########6| 132M/137M [01:53<00:05, 881kb/s]
97%|#########6| 132M/137M [01:53<00:06, 725kb/s]
97%|#########6| 132M/137M [01:53<00:06, 706kb/s]
97%|#########6| 132M/137M [01:53<00:06, 688kb/s]
97%|#########6| 133M/137M [01:53<00:06, 655kb/s]
97%|#########6| 133M/137M [01:53<00:06, 679kb/s]
97%|#########6| 133M/137M [01:53<00:05, 819kb/s]
97%|########## 133M/137M [01:53<00:04, 839kb/s]
97%|########## 133M/137M [01:54<00:03, 1.02Mb/s]
97%|########## 133M/137M [01:54<00:03, 1.08Mb/s]
97%|########## 133M/137M [01:54<00:03, 1.15Mb/s]
```

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97%|########## 133M/137M [01:54<00:03, 977kb/s]
 98%|#########7| 134M/137M [01:54<00:03, 1.05Mb/s]
 98%|##########7| 134M/137M [01:54<00:03, 1.01Mb/s]
 98%|#########7| 134M/137M [01:54<00:02, 1.04Mb/s]
 98%|########## 1 134M/137M [01:54<00:03, 960kb/s]
 98%|##########7| 134M/137M [01:55<00:02, 1.05Mb/s]
 98%|########## 134M/137M [01:55<00:02, 1.07Mb/s]
 98%|########## 134M/137M [01:55<00:02, 944kb/s]
 98%|########## 134M/137M [01:55<00:02, 1.09Mb/s]
 98%|######### 135M/137M [01:55<00:02, 1.02Mb/s]
 98%|########## 135M/137M [01:55<00:02, 760kb/s]
 99%|########## 135M/137M [01:55<00:02, 1.01Mb/s]
 99%|######### 135M/137M [01:56<00:01, 1.01Mb/s]
 99%|########## 135M/137M [01:56<00:01, 1.08Mb/s]
 99%|########## 135M/137M [01:56<00:01, 1.05Mb/s]
 99%|########## 135M/137M [01:56<00:01, 939kb/s]
 99%|########## 135M/137M [01:56<00:01, 872kb/s]
 99%|#########9| 136M/137M [01:56<00:01, 1.00Mb/s]
 99%|########## 136M/137M [01:56<00:00, 1.19Mb/s]
 99%|#########9| 136M/137M [01:56<00:00, 1.11Mb/s]
 99%|#########9| 136M/137M [01:57<00:00, 1.02Mb/s]
100%|########## 136M/137M [01:57<00:00, 1.13Mb/s]
100%|#########9| 136M/137M [01:57<00:00, 812kb/s]
100%|#########9| 136M/137M [01:57<00:00, 814kb/s]
100%|##########9| 137M/137M [01:57<00:00, 817kb/s]
100%|########## 137M/137M [01:57<00:00, 893kb/s]
100%|##########9| 137M/137M [01:57<00:00, 1.03Mb/s]
100%|########## 137M/137M [01:58<00:00, 1.16Mb/s]
[INFO] Beginning extraction
[INFO] Chromium extracted to: C:\Users\Adn\AppData\Local\pyppeteer\pyppeteer\local-chrom
ium\588429
```

In []: