Jupyter Notebook Exercise

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1 Jupyter Notebook Exercise

This code is very simple because professor provide this code as a sample.

[17]:
```
import pandas as pd
import plotly
import plotly.express as px
import plotly.graph_objects as go

df = px.data.gapminder()
df.head()
```

[17]:

	country	continent	year	lifeExp	pop	gdpPercap	iso_alpha	iso_num
0	Afghanistan	Asia	1952	28.801	8425333	779.445314	AFG	4
1	Afghanistan	Asia	1957	30.332	9240934	820.853030	AFG	4
2	Afghanistan	Asia	1962	31.997	10267083	853.100710	AFG	4
3	Afghanistan	Asia	1967	34.020	11537966	836.197138	AFG	4
4	Afghanistan	Asia	1972	36.088	13079460	739.981106	AFG	4

[18]:
```
myanmar = df[df["country"]=="Myanmar"]
myanmar.head()
```

[18]:

	country	continent	year	lifeExp	pop	gdpPercap	iso_alpha	iso_num
1044	Myanmar	Asia	1952	36.319	20092996	331.0	MMR	104
1045	Myanmar	Asia	1957	41.905	21731844	350.0	MMR	104
1046	Myanmar	Asia	1962	45.108	23634436	388.0	MMR	104
1047	Myanmar	Asia	1967	49.379	25870271	349.0	MMR	104
1048	Myanmar	Asia	1972	53.070	28466390	357.0	MMR	104

I used this code to get the data of a specific country(Myanmar) from Pandas Data Frame.

[19]:
```
fig = px.line(myanmar, x = 'year', y = 'pop')
fig.show()
```

This code shows the data for Myanmar and population will be on ”Y” axis and year will be on ”X” axis.

[28]:
```
row_index = 2
row_data = df.iloc[row_index]
print(row_data)
```

```
country      Afghanistan
continent           Asia
year                1962
lifeExp           31.997
pop             10267083
gdpPercap      853.10071
iso_alpha            AFG
iso_num                4
Name: 2, dtype: object
```

This code shows to extract data form a specific row using ”.iloc” indexer and displays the data of Afghanistan for the year 1962.