

Assignment_3_4_Vayuvegula_Soma_Shekar_Python

```
In [1]: #import libraries
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
```

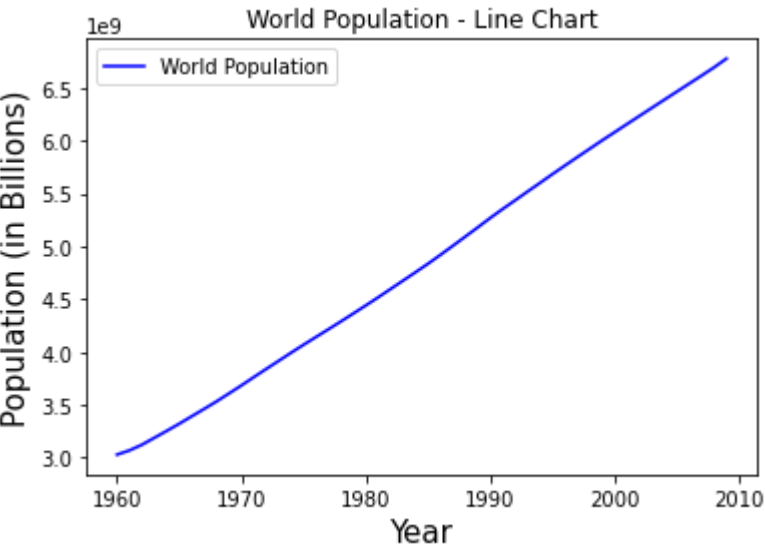
```
In [2]: #Read excel
df_world = pd.read_excel("world-population.xlsm")
```

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In [3]: df_world.head()
```

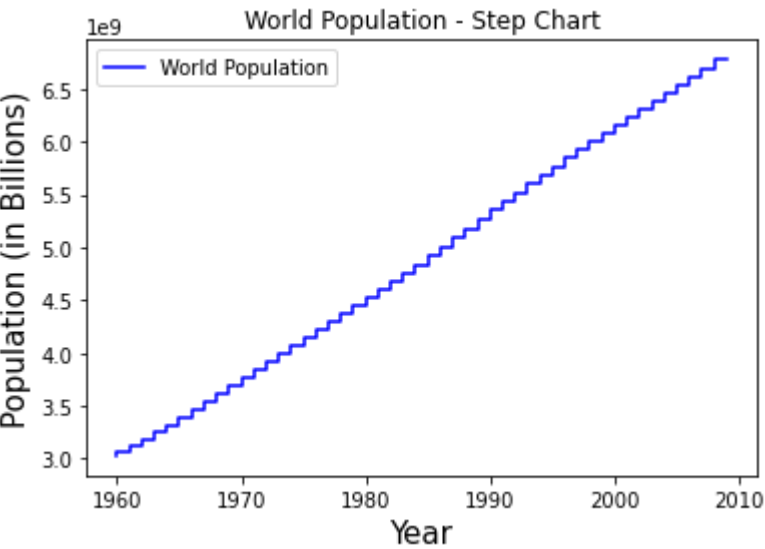
Out[3]:

	Year	Population
0	1960	3028654024
1	1961	3068356747
2	1962	3121963107
3	1963	3187471383
4	1964	3253112403

```
In [4]: #Line Chart
df_world.plot(x='Year',y='Population',kind='line',color='blue')
plt.legend(["World Population"])
plt.xlabel("Year",size=15)
plt.ylabel("Population (in Billions)",size=15)
plt.title("World Population - Line Chart")
plt.show()
plt.close()
```



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In [6]: #Step Chart
plt.figure()
year_list=df_world['Year'].to_list()
pop_list=df_world['Population'].to_list()
plt.plot(year_list,pop_list,drawstyle='steps',linestyle='-',alpha=1,color='blue')
plt.legend(["World Population"])
plt.xlabel("Year",size=15)
plt.ylabel("Population (in Billions)",size=15)
plt.title("World Population - Step Chart")
plt.show()
plt.close()
```



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In [ ]:
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