These two weeks we are going to be focused on line charts and step charts using various tools to create these visualizations. You must consolidate all the charts into ONE document with each chart labeled with the type of chart and technology - for example: Python - Bar Chart.

In [1]:
```python
# Import libraries
import csv
#import xlrd
import pandas as pd
import matplotlib.pyplot as plt
from datetime import datetime as dt
```

In [2]:
```python
# Read world population data
fileData1 = 'ex2-2/world-population.xlsm'
population = pd.read_excel(fileData1)


print(population.head())
```
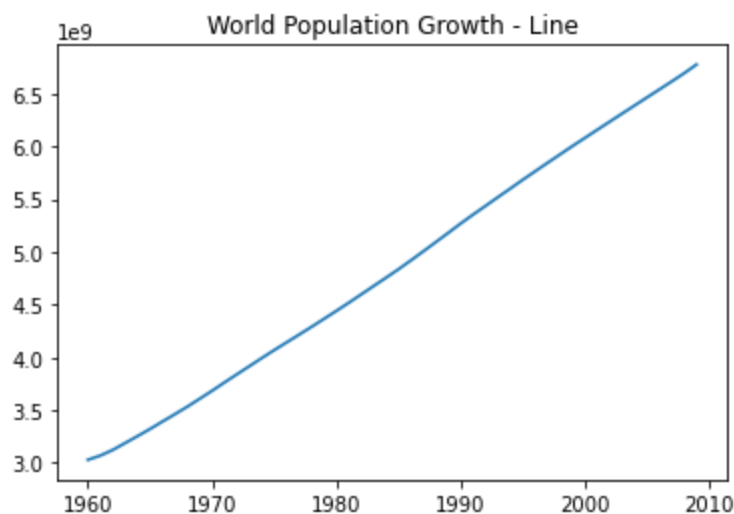
```
   Year  Population
0  1960  3028654024
1  1961  3068356747
2  1962  3121963107
3  1963  3187471383
4  1964  3253112403
```
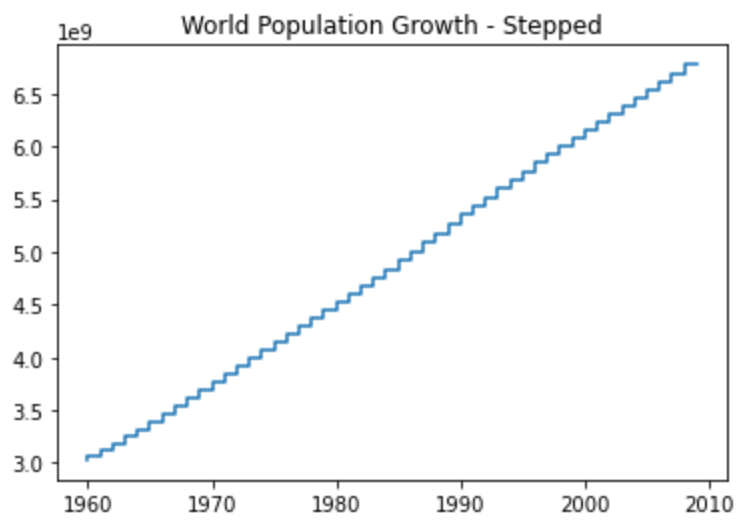
World Population data

Line and Step graph

In [3]:
```python
X = population['Year']
Y = population['Population']
plt.title('World Population Growth - Line')
plt.plot(X, Y)
plt.show()
```


In [4]:
```python
plt.title('World Population Growth - Stepped')
plt.step(X, Y)
plt.show()
```

World Population Growth - Stepped

In [ ]: