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In [1]: print("Name :")
print("We will continue learning about data visualization, and sort the data")
print("Plot bar graphs for the countries who has the heaviest satellites in space")
print("Plot bar graphs for the countries whose satellites consumes the least power in space")
```

Name :

We will continue learning about data visualization, and sort the data

Plot bar graphs for the countries who has the heaviest satellites in space

Plot bar graphs for the countries whose satellites consumes the least power in space

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In [2]: #Activity-1
#Q - Sort the data and find out the which Countries has the heaviest satellites
import pandas as pd
from matplotlib import pyplot as plt

dataframe = pd.read_csv('C191_satellite_data.csv')

dataframe
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ModuleNotFoundError                                Traceback (most recent call last)
/var/folders/1d/dx5rjvf9lqq7f432s9k1r3780000gp/T/ipykernel_22185/3292050229.py in <module>
      1 #Activity-1
      2 #Q - Sort the data and find out the which Countries has the heaviest satellites, and plot a bar graph out of it
----> 3 import pandas as pd
      4 from matplotlib import pyplot as plt
      5

ModuleNotFoundError: No module named 'pandas'
```

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In [3]: df = pd.DataFrame(dataframe, columns=['Dry Mass (Kilograms)', 'Official Name of Satellite'])
df.replace(" ", float("NaN"), inplace=True)

df = df.dropna()

sorted_df = df.sort_values(by=['Dry Mass (Kilograms)'])
sorted_df
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NameError                                Traceback (most recent call last)
/var/folders/ld/dx5rjvf9lqq7f432s9k1r3780000gp/T/ipykernel_22185/4195039226.py in <module>
----> 1 df = pd.DataFrame(dataframe, columns=['Dry Mass (Kilograms)', 'Official Name of Satellite'])
      2 df.replace(" ", float("NaN"), inplace=True)
      3
      4 df = df.dropna()
      5

NameError: name 'pd' is not defined
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In [4]: heavy_satellite_5 = sorted_df.head(5)
print(heavy_satellite_5)

name = heavy_satellite_5['Official Name of Satellite']
weight = heavy_satellite_5['Dry Mass (Kilograms)']

plt.xlabel("Official Name of Satellite")
plt.xticks(rotation='vertical')
plt.ylabel("Mass (Kilograms)")

label = name
value = weight
plt.bar(label, value, width=0.4, color=('red', 'yellow', 'green', 'pink', 'blue'))
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NameError                                Traceback (most recent call last)
/var/folders/ld/dx5rjvf9lqq7f432s9k1r3780000gp/T/ipykernel_22185/3590983121.py in <module>
----> 1 heavy_satellite_5 = sorted_df.head(5)
      2 print(heavy_satellite_5)
      3
      4 name = heavy_satellite_5['Official Name of Satellite']
      5 weight = heavy_satellite_5['Dry Mass (Kilograms)']

NameError: name 'sorted_df' is not defined
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In [ ]: #Activity-2  
#Q - Sort the data and find out 5 Countries whose satellites consume the le
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