```
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
```

```
df = sns.load_dataset('iris')
```

```
df.head()
```

	sepal_length	sepal_width	petal_length	petal_width	species
0	5.1	3.5	1.4	0.2	setosa
1	4.9	3.0	1.4	0.2	setosa
2	4.7	3.2	1.3	0.2	setosa
3	4.6	3.1	1.5	0.2	setosa
4	5.0	3.6	1.4	0.2	setosa

```
df.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 150 entries, 0 to 149
Data columns (total 5 columns):
 #   Column        Non-Null Count  Dtype  
---  ------        --------------  -----  
 0   sepal_length  150 non-null    float64
 1   sepal_width   150 non-null    float64
 2   petal_length  150 non-null    float64
 3   petal_width   150 non-null    float64
 4   species       150 non-null    object 
dtypes: float64(4), object(1)
memory usage: 6.0+ KB
```

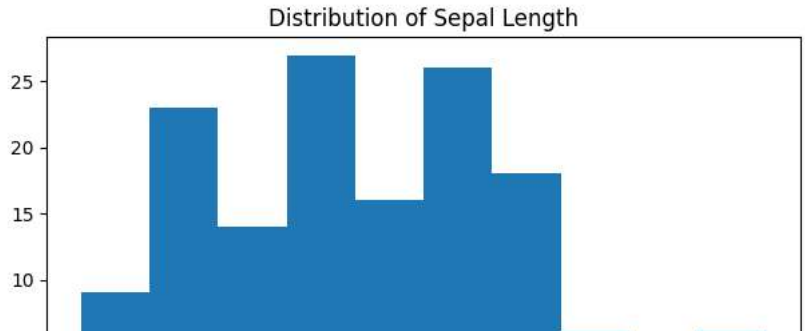
```
fig, axes = plt.subplots(2, 2, figsize=(16, 8))


axes[0,0].set_title("Distribution of Sepal Length")
axes[0,0].hist(df["sepal_length"]);

axes[0,1].set_title("Distribution of Sepal Width")
axes[0,1].hist(df["sepal_width"]);

axes[1,0].set_title("Distribution of Petal Length")
axes[1,0].hist(df["petal_length"]);

axes[1,1].set_title("Distribution of Petal Width")
axes[1,1].hist(df["petal_width"]);
```




```
fig, axes = plt.subplots(2, 2, figsize=(16,9))
axes[0,0].set_title("Distribution of Sepal Length")
sns.boxplot(  y="sepal_length", x= "species", data=df,  orient='v' , ax=axes[0, 0])
axes[0,1].set_title("Distribution of Sepal Length")
sns.boxplot(  y="sepal_width", x= "species", data=df,  orient='v' , ax=axes[0, 1])
axes[1,0].set_title("Distribution of Sepal Length")
sns.boxplot(  y="petal_length", x= "species", data=df,  orient='v' , ax=axes[1, 0])
axes[1,1].set_title("Distribution of Sepal Length")
sns.boxplot(  y="petal_width", x= "species", data=df,  orient='v' , ax=axes[1, 1])
plt.show()
```