In [1]:
```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
from sklearn import datasets
from sklearn.cluster import KMeans
import seaborn as sns
```

In [2]:
```
iris = datasets.load_iris()
```

In [3]:
```
x = iris.data
```

In [4]:
```
x = iris.data[:, :2]
```

In [5]:
```
n_clusters = 3
```

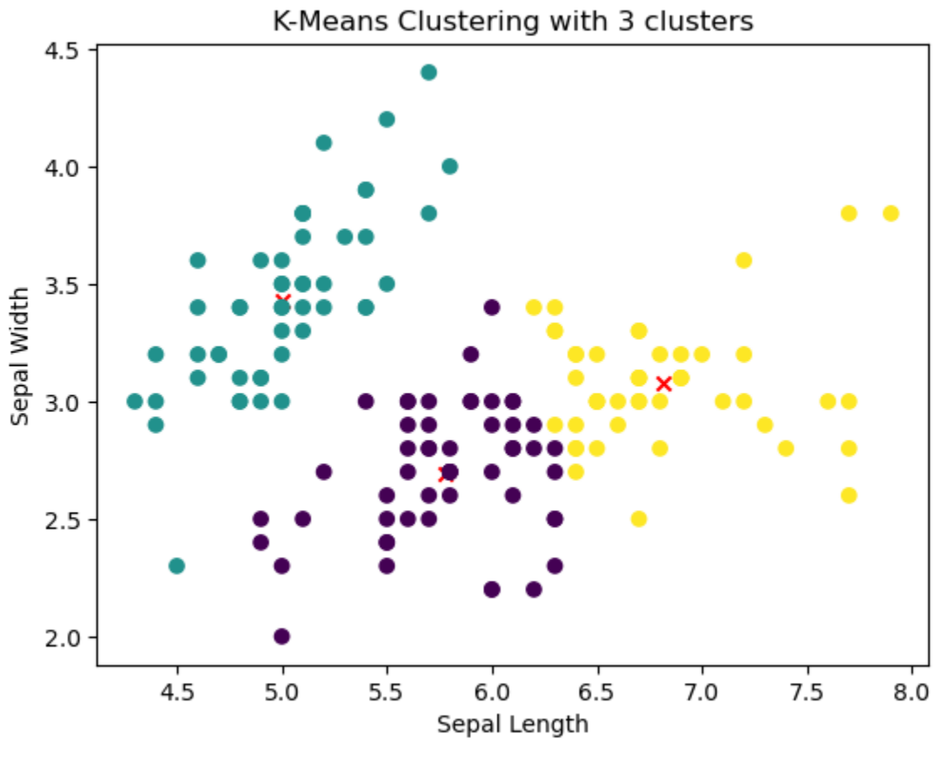
In [6]:
```
kmeans = KMeans(n_clusters=3, random_state=0)
```

In [7]:
```
kmeans.fit(x)
```

Out[7]:
```
KMeans(n_clusters=3, random_state=0)
```

In [8]:
```
y_pred = kmeans.predict(x)
```

In [10]:
```
plt.scatter(kmeans.cluster_centers_[:,0], kmeans.cluster_centers_[:,1], c='red', marker='x')
plt.scatter(x[:, 0], x[:,1], c=y_pred, cmap='viridis')
plt.xlabel('Sepal Length')
plt.ylabel('Sepal Width')
plt.title(f'K-Means Clustering with {n_clusters} clusters')
plt.show()
```



In [ ]:
```
```