```
import pandas as pd

# Load the uploaded file
df = pd.read_csv("Telco_Customer_Churn.csv")
df.head()
```

	customerID	gender	SeniorCitizen	Partner	Dependents	tenure	PhoneService	MultipleLines	InternetService	OnlineSecu
0	7590-VHVEG	Female	0	Yes	No	1	No	No phone service	DSL	
1	5575-GNVDE	Male	0	No	No	34	Yes	No	DSL	
2	3668-QPYBK	Male	0	No	No	2	Yes	No	DSL	
3	7795-CFOCW	Male	0	No	No	45	No	No phone service	DSL	
4	9237-HQITU	Female	0	No	No	2	Yes	No	Fiber optic	

5 rows × 21 columns

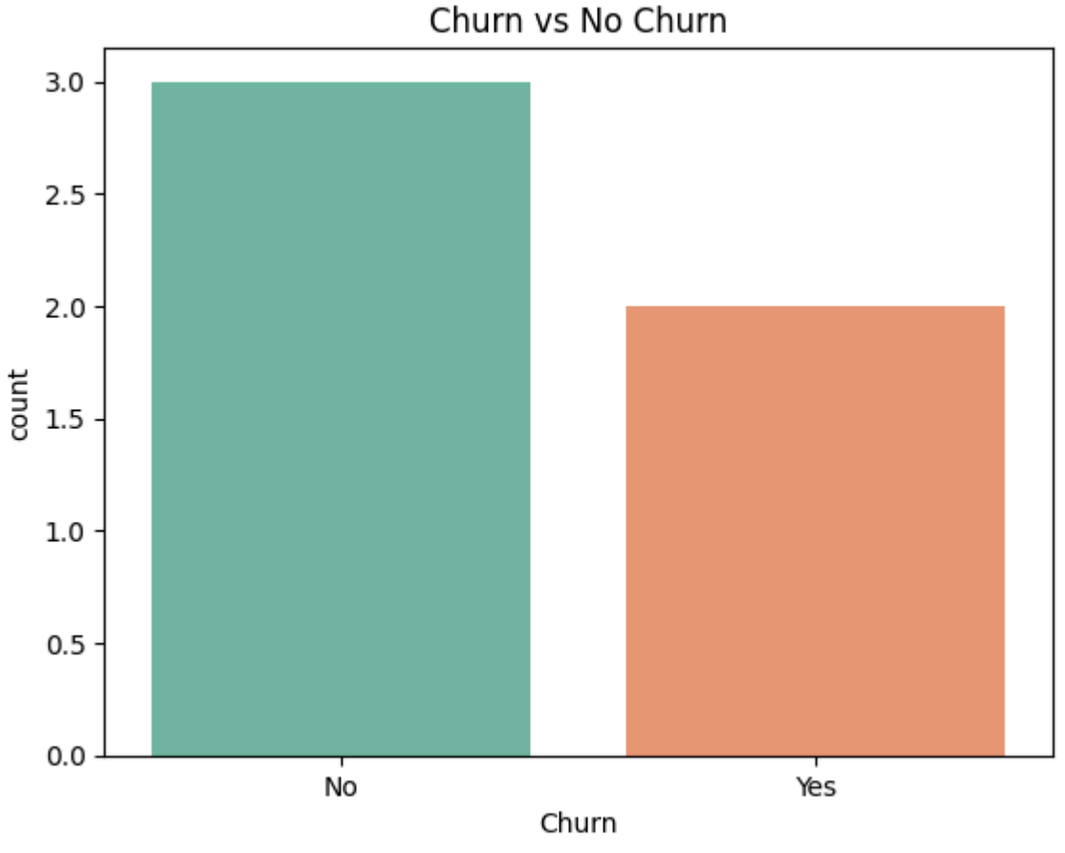
```
from google.colab import files
uploaded = files.upload()
```

Choose Files No file chosen Upload widget is only available when the cell has been executed in the current browser session. Please rerun this cell to enable.

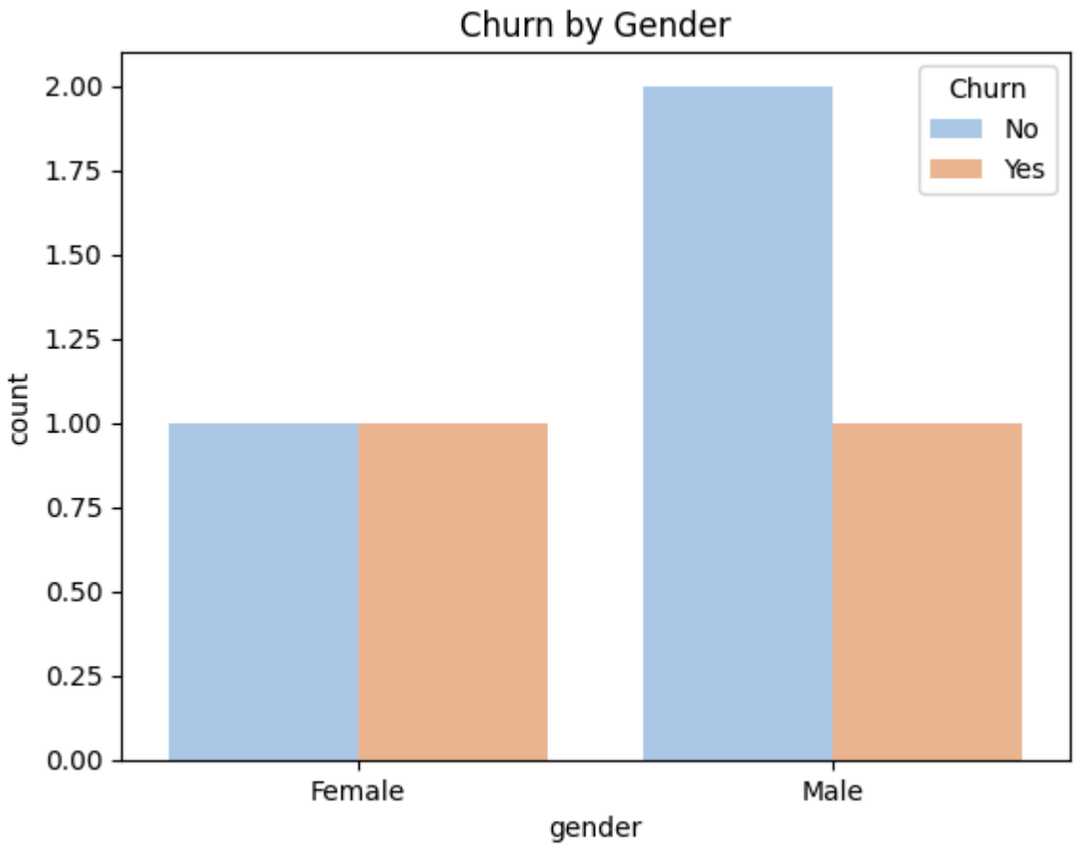
```
Saving Telco_Customer_Churn.csv to Telco_Customer_Churn.csv
```

```
import matplotlib.pyplot as plt
import seaborn as sns


sns.countplot(data=df, x='Churn', palette='Set2')
plt.title('Churn vs No Churn')
plt.show()
```

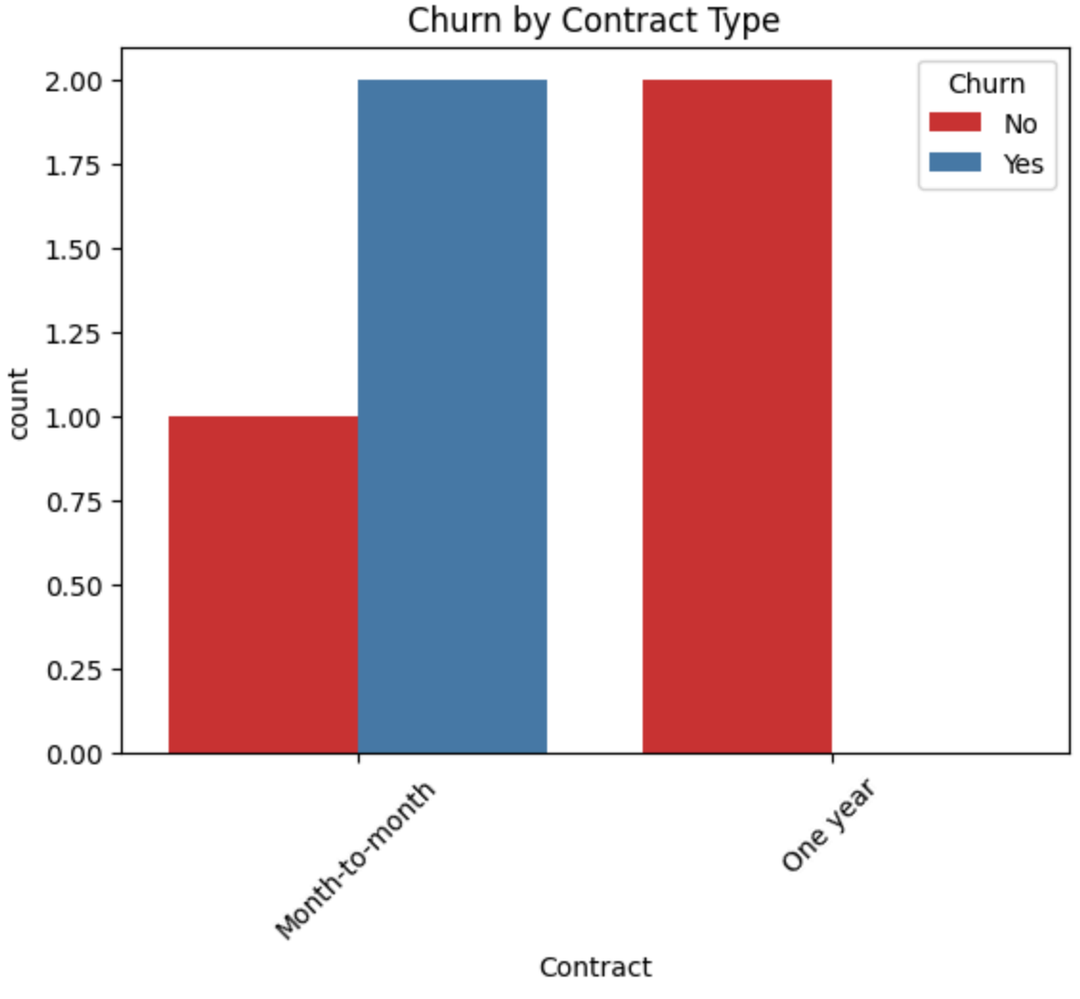
```
/tmp/ipython-input-4-1880869066.py:1: FutureWarning:

Passing `palette` without assigning `hue` is deprecated and will be removed in v0.14.0. Assign the `x` variable to `hue`

  sns.countplot(data=df, x='Churn', palette='Set2')
```



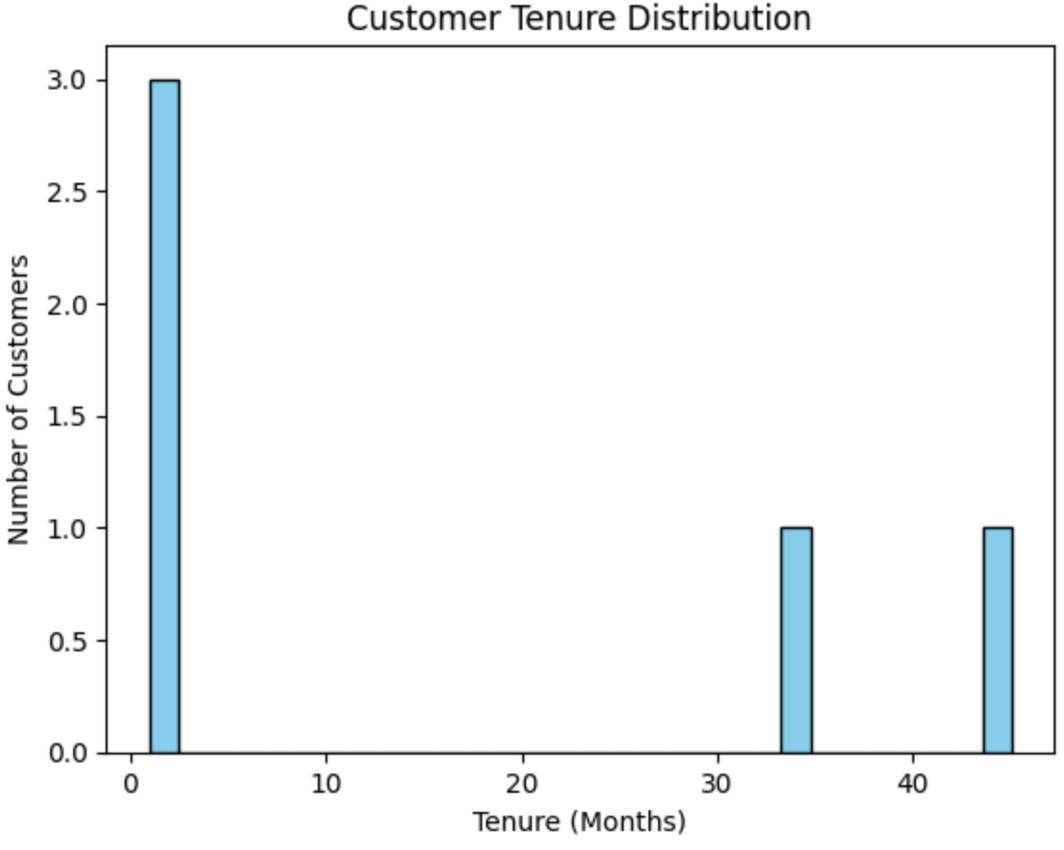

```
sns.countplot(data=df, x='gender', hue='Churn', palette='pastel')
plt.title('Churn by Gender')
plt.show()
```




```
sns.countplot(data=df, x='Contract', hue='Churn', palette='Set1')
plt.title('Churn by Contract Type')
plt.xticks(rotation=45)
plt.show()
```




```
plt.hist(df['tenure'], bins=30, color='skyblue', edgecolor='black')
plt.title('Customer Tenure Distribution')
plt.xlabel('Tenure (Months)')
plt.ylabel('Number of Customers')
plt.show()
```


Customer Tenure Distribution
Number of Customers
Tenure (Months)
0.0
0.5
1.0
1.5
2.0
2.5
3.0
0
10
20
30
40