```
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.describe()

₹		sepal_length	sepal_width	petal_length	petal_width
	count	150.000000	150.000000	150.000000	150.000000
	mean	5.843333	3.057333	3.758000	1.199333
	std	0.828066	0.435866	1.765298	0.762238
	min	4.300000	2.000000	1.000000	0.100000
	25%	5.100000	2.800000	1.600000	0.300000
	50%	5.800000	3.000000	4.350000	1.300000
	75%	6.400000	3.300000	5.100000	1.800000
	max	7.900000	4.400000	6.900000	2.500000

df.shape

```
→ (150, 5)
```

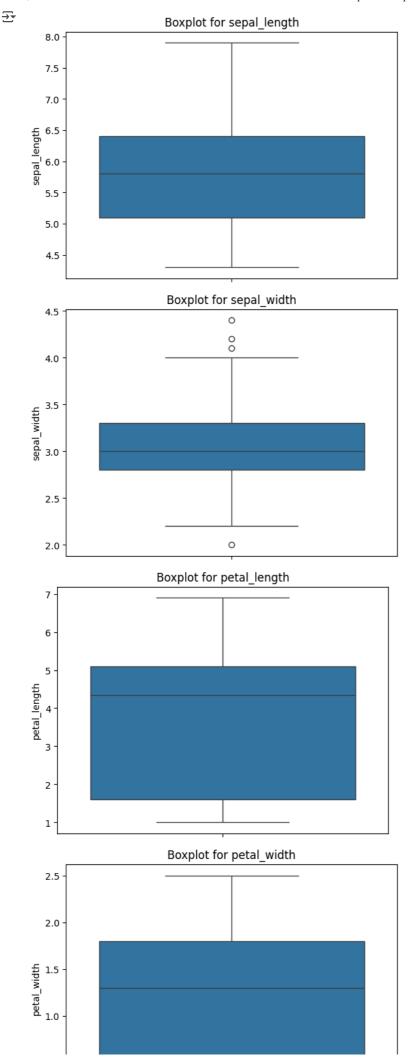
```
X = df.drop('species', axis=1)
Y = df['species']

df.isnull().sum()
```

df.fillna(df.mean(numeric_only=True), inplace=True)

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

for col in X.columns:
    sns.boxplot(y=df[col])
    plt.title(f'Boxplot for {col}')
    plt.show()
```



```
0.5
```