Exercise 1:

```python
# Import necessary libraries

import seaborn as sns

import matplotlib.pyplot as plt

# Load iris data

iris = sns.load_dataset("iris")

# Construct iris plot

sns.swarmplot(x="species", y="petal_length", data=iris)

# Show plot

plt.show()
```

Exercise 2:

```python
sns.distplot(x, hist=False, rug=True);
```

Exercise 3:

```python
num = np.random.randn(150)

sns.distplot(num)
```

Exercise 4:

```python
num=np.random.randn(150)

label_dist = pd.Series(num , name = "variable x") sns.distplot(label_dist , color = 'red')
```

Exercise 5:

```python
sns.jointplot(x='total_bill',y='tip',data=tips,kind='resid')
```

Exercise 6:

```
sns.jointplot(x='total_bill',y='tip',data=tips,kind='kde')
```

Exercise 7:

```
>>> import numpy as np, pandas as pd; np.random.seed(0)

>>> import seaborn as sns; sns.set(style="white", color_codes=True)

>>> tips = sns.load_dataset("tips")

>>> g = sns.jointplot(x="total_bill", y="tip", data=tips)
```

Exercise 8:

```
>>> iris = sns.load_dataset("iris")

>>> g = sns.jointplot("sepal_width", "petal_length", data=iris,

...             kind="kde", space=0, color='green')
```

Exercise 9:

```
>>> g = (sns.jointplot("sepal_length", "sepal_width",

...             data=iris, color="k")

...     .plot_joint(sns.kdeplot, zorder=0, n_levels=6))
```

Exercise 10:

```
sns.pairplot(iris)
```

Exercise 11:

```
sns.pairplot(tips,hue='size',palette='coolwarm') # put hue=size
```

Exercise 12:

```
sns.pairplot(iris, hue='species' , palette='Blues_d')
```

Exercise 13:

```
sns.pairplot(iris, hue='species' , palette='Blues_d' , markers = ['o' , 'D' , 's'])
```

Exercise 14:

```
sns.rugplot(iris['species'])
```

Exercise 15:

```
num = np.random.randn(25)#create list

sns.kdeplot(num)#plot it
```

Exercise 16:

```
mean = [0,0]

cov = [[0.2 , 0],[0 , 3]]

x_axis , y_axis = np.random.multivariate_normal(mean,cov,size=40).T

sns.kdeplot(x_axis , y_axis)
```

Exercise 17:

```
mean = [0,0]

cov = [[0.2 , 0],[0 , 3]]

x_axis , y_axis = np.random.multivariate_normal(mean,cov,size=40).T

sns.kdeplot(x_axis , y_axis , n_levels=18 , cmap='RdBu')
```

Exercise 18:

```
num = np.random.randn(25)#create list

sns.kdeplot(num, bw=1.5)#plot it
```