**PRACTICAL NO : 08**

**DATA VISUALIZATION 1**

**CODE :**

**import pandas as pd**

**import numpy as np**

**import matplotlib.pyplot as plt**

**import seaborn as sns**

**dataset=sns.load\_dataset('titanic')**

**print(dataset)**

**dataset.head()**

**import seaborn as sns**

**sns.distplot(x = dataset['age'], bins = 10)**

**sns.distplot(dataset['age'], bins = 10,kde=False)**

**import seaborn as sns**

**sns.jointplot(x = dataset['age'], y = dataset['fare'], kind ='scatter')**

**sns.jointplot(x = dataset['age'], y = dataset['fare'], kind = 'hex')**

**sns.rugplot(dataset['fare'])**

**sns.barplot(x='sex', y='age', data=dataset)**

**import numpy as np**

**import matplotlib.pyplot as plt**

**import seaborn as sns**

**sns.barplot(x='sex', y='age', data=dataset, estimator=np.std)**

**sns.countplot(x='sex', data=dataset)**

**sns.boxplot(x='sex', y='age', data=dataset)**

**sns.boxplot(x='sex', y='age', data=dataset, hue="survived")**

**sns.violinplot(x='sex', y='age', data=dataset)**

**sns.violinplot(x='sex', y='age', data=dataset, hue='survived')**

**sns.stripplot(x='sex', y='age', data=dataset, jitter=False)**

**sns.stripplot(x='sex', y='age', data=dataset, jitter=True)**

**sns.stripplot(x='sex', y='age', data=dataset, jitter=True, hue='survived')**

**sns.swarmplot(x='sex', y='age', data=dataset)**

**sns.swarmplot(x='sex', y='age', data=dataset, hue='survived')**

**import pandas as pd**

**import numpy as np**

**import matplotlib.pyplot as plt**

**import seaborn as sns**

**dataset = sns.load\_dataset('titanic')**

**dataset.head()**

**import seaborn as sns**

**dataset = sns.load\_dataset('titanic')**

**sns.histplot(dataset['fare'], kde=False,bins=10)**

**OUTPUT :**