import pandas as pd

import matplotlib.pyplot as plt

student\_pets = pd.Series(["Dog", "Cat", "Dog", "Cat", "Fish", "Fish", "Ferret", "Hamster", "Dog", "Cat", "Fish", "Hamster", "Dog", "Dog", "Dog"])

plt.title("Student Pets", fontsize=22)

plt.xlabel("Type of Pet")

plt.ylabel("Number of Pets")

plt.ylim([1, 7])

plt.hist(student\_pets, edgecolor="black", bins=[-0.5, 0.5, 1.5, 2.5, 3.5, 4.5])

plt.show()