def conditional():

    pass\_stats = 0.15

    pass\_codingWStats = 0.60

    pass\_codingWOStats = 0.40

    prob\_both = pass\_stats \*pass\_codingWStats

    print("The probability that applicant passes both is", round(prob\_both, 3))

    prob\_coding = (prob\_both) + ((1-pass\_stats)\*pass\_codingWOStats)

    print("Probability that he/she passes only coding is", round (prob\_coding, 3))

    stats\_given\_coding = prob\_both/prob\_coding

    print("Conditional probabilty is", round(stats\_given\_coding, 3))

print("Hey Hulk")

conditional()

**JOINT**

import numpy as np

import pandas as pd

from scipy import stats

import matplotlib.pyplot as plt

import seaborn as sns

sns.set()

df\_obj1 = pd.DataFrame({"x": np.random.randn(500),

                   "y": np.random.randn(500)})

sns.jointplot(x="x", y="y", data=df\_obj1, kind="kde");

dataset = sns.load\_dataset("tips")

plt.show()