**PRACTICAL: 4**

**AIM: Implement Conditional Probability and joint probability using Python.**

Code:

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

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

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

print("Heyy Yash")

conditional()