120040025

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jupyter Statistic Assignment 1 (Computer-based) - Yohandi

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Trusted Python 3

Run Code

In [37]:
```
import pandas as pd
import matplotlib.pyplot as plt
import random

n=[0]
sample=[0]
eventCount=[0]
currentProbability=[0]

for i in range(5000):
    n.append(i+1)
    sample.append(random.randint(1,6))
    eventCount.append(eventCount[-1])
    if(sample[i]==1 or sample[i]==2):
        eventCount[-1]+=1
    currentProbability.append(float(eventCount[-1]/n[-1]))

data = {'N':n,'Probability':currentProbability}
df = pd.DataFrame(data,columns=['N','Probability'])
df.plot(x ='N', y='Probability', kind = 'scatter')
plt.show()
```