NAMA: I'ROFUL BARIYAH

NIM: 17.51.004

1. Soal no1



```
In [14]: print(PLowYes)
          0.7407407407407407
In [15]: print(PMediumYes)
          0.18518518518518517
In [16]: print(PHigh)
          0.21568627450980393
In [17]: print(PLow)
          0.4117647058823529
In [18]: print(PMedium)
          0.37254901960784315
In [19]: #credit rating with student
pd.crosstab(df['Credit_rating'], df['Student'])
Out[19]:
              Student No Yes
          Credit_rating
          Excellent 8 12
                 Fair 16 15
In [20]: PExcellentNo = 8/24
PFairNo = 16/24
          PExcellentYes = 12/27
PFairYes = 15/27
         PExcellent = 20/51
PFair = 31/51
         print(PExcellentNo)
          0.3333333333333333
In [21]: print(PFairNo)
          0.66666666666666
In [22]: print(PExcellentYes)
          0.444444444444444
In [23]: print(PFairYes)
          0.55555555555556
In [24]: print(PExcellent)
          0.39215686274509803
In [25]: print(PFair)
          0.6078431372549019
In [26]: #income with class(buy_computer)
pd.crosstab(df['Income'], df['Class (buy_computer)'])
Out[26]:
          Class (buy_computer) No Yes
                      Income
           High 6 5
                       Low 11 10
          Medium 5 14
                                                                                                                            Activate Windows
```

```
In [27]: PHighNo = 6/22
PLowNo = 11/22
PMediumNo= 5/22
            PHighYes = 5/29
PLowYes = 10/29
PMediumYes = 24/29
            PHigh = 11/51
PLow = 21/51
PMedium = 19/51
             print(PHighNo)
             0.2727272727272727
 In [28]: print(PLowNo)
 In [29]: print(PMediumNo)
             0.22727272727272727
 In [30]: print(PHighYes)
             0.1724137931034483
In [31]: print(PLowYes)
           0.3448275862068966
In [32]: print(PMediumYes)
           0.8275862068965517
In [33]: #credit rating with class(buy_computer)
pd.crosstab(df['Credit_rating'], df['Class (buy_computer)'])
Out[33]:
            Class (buy_computer) No Yes
                   Credit_rating
            Excellent 8 12
                            Fair 14 17
In [34]: PExcellentNo = 8/22
PFairNo = 14/22
            PExcellentYes = 12/29
PFairYes = 17/29
            PExcellent = 20/51
PFair = 31/51
            print(PExcellentNo)
            0.36363636363636365
 In [35]: print(PFairNo)
            0.6363636363636364
 In [36]: print(PExcellentYes)
            0.41379310344827586
In [37]: print(PFairYes)
```

0.5862068965517241