```
In [1]: import pandas as pd
         import numpy as np
         from scipy import stats
         from scipy.stats import norm
In [2]: # Load the dataset
         data = pd.read csv('LabTAT.csv')
         data.head()
Out[2]:
            Laboratory 1 Laboratory 2 Laboratory 3 Laboratory 4
          0
                 185.35
                             165.53
                                         176.70
                                                     166.13
          1
                 170.49
                             185.91
                                         198.45
                                                     160.79
          2
                 192.77
                             194.92
                                         201.23
                                                     185.18
          3
                 177.33
                             183.00
                                         199.61
                                                     176.42
                                         204.63
                                                     152.60
          4
                 193.41
                             169.57
In [3]: # Anova ftest statistics: stats.f_oneway(column-1,column-2,column-3,column-4)
         p_value=stats.f_oneway(data.iloc[:,0],data.iloc[:,1],data.iloc[:,2],data.iloc[:,3]
         p_value
Out[3]: F_onewayResult(statistic=118.70421654401437, pvalue=2.1156708949992414e-57)
In [4]: p_{value}[1] # compare it with \alpha = 0.05
Out[4]: 2.1156708949992414e-57
```

In [ ]: