```
In [9]: # Import necessary libraries
         import pandas as pd
         from scipy.stats import ttest ind
In [10]:
         # Load data into a Pandas DataFrame
         df = pd.read csv(r"C:\Users\djbro\OneDrive\Desktop\AB Testing\ab data.csv")
         df
In [11]:
Out[11]:
                 user id
                                     timestamp
                                                  group landing_page converted
              0 851104 2017-01-21 22:11:48.556739
                                                  control
                                                                             0
                                                             old_page
              1 804228 2017-01-12 08:01:45.159739
                                                  control
                                                             old_page
              2 661590 2017-01-11 16:55:06.154213 treatment
                                                                             0
                                                            new_page
              3 853541 2017-01-08 18:28:03.143765 treatment
                                                            new_page
              4 864975 2017-01-21 01:52:26.210827
                                                                             1
                                                  control
                                                             old_page
         294473 751197 2017-01-03 22:28:38.630509
                                                  control
                                                             old_page
                                                                             0
         294474 945152 2017-01-12 00:51:57.078372
                                                  control
                                                             old_page
                                                                             0
         294475 734608 2017-01-22 11:45:03.439544
                                                                             0
                                                  control
                                                             old_page
         294476 697314 2017-01-15 01:20:28.957438
                                                                             0
                                                  control
                                                             old_page
         294477 715931 2017-01-16 12:40:24.467417 treatment
                                                                             0
                                                            new_page
        294478 rows × 5 columns
In [12]:
         # Select the relevant columns for A/B testing
         A = df[df['group'] == 'control']['converted']
         B = df[df['group'] == 'treatment']['converted']
In [13]: A.head()
              0
Out[13]:
              0
         4
              1
         5
              0
         7
         Name: converted, dtype: int64
In [14]: # Perform the A/B test using the ttest ind function
         t, p = ttest ind(A, B)
         # Print the t-value and p-value
In [15]:
         print(f't-value: {t:.3f}, p-value: {p:.3f}')
         t-value: 1.237, p-value: 0.216
In [16]: # Interpret the results
         if p < 0.05:
             print('There is a significant difference between the two groups.')
             print('There is no significant difference between the two groups.')
         There is no significant difference between the two groups.
```