```
In [1]:
         from scipy.stats import ttest_ind
         from scipy.stats import ttest_1samp
         import numpy as np
         sample1 = [33, 30, 26, 22, 37, 34]
         sample2 = [22, 29, 25, 23]
In [2]:
         stat, p = ttest_ind(sample1, sample2)
In [3]:
         print('P Value is :',p)
        P Value is: 0.1073888420024464
In [4]:
         sample3 = [33, 30, 26, 22, 37, 34, 22, 29, 25, 23]
In [5]:
         print('Mean of sample3 is :', np.mean(sample3))
        Mean of sample3 is: 28.1
In [6]:
         stat, p = ttest_1samp(sample3, 30)
In [7]:
         print('P Value is :',p)
        P Value is: 0.2898618578220841
In [8]:
         stat, p = ttest_1samp(sample3, 28.1)
In [9]:
         print('P Value is :',p)
        P Value is: 1.0
In [2]:
         from statsmodels.stats.weightstats import ztest as ztest
In [3]:
         sample4 = [33, 30, 26, 22, 37, 34, 22, 29, 25, 23, 13, 14, 15, 16, 17, 18, 19, 20, 2
In [4]:
         print('Mean of sample4 is :', np.mean(sample4))
        Mean of sample4 is: 37.1
In [6]:
         ztest, p = ztest(sample4, value=30)
In [7]:
         print('P Value is :',p)
        P Value is: 0.003162922662875686
In [5]:
         sample5 = [33, 30, 26, 22, 37, 34, 22, 29, 25, 23, 13, 14, 15, 16, 17, 18, 19, 20, 2
In [6]:
         ztest, p = ztest(sample4, sample5,value=30)
```

In [7]:	<pre>print('P Value is :',p)</pre>
	P Value is : 1.1626254710641188e-18
In []:	