To find the hypothesis testing using to perform T-test

```
In [ ]:
          #Name: Siddhi N. Sakharkar
          #Roll no.: 51
          #Sec:B
 In [4]:
          \mathsf{age} = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 55, 45]
 In [5]:
          len(age)
Out[5]:
 In [7]:
          import numpy as np
          age_mean=np.mean(age)
          print(age mean)
          17.65625
 In [8]:
          sample size = 10
          age sample=np.random.choice(age,sample_size)
 In [9]:
          print(age_sample)
          [11 22 18 23 45 5 20 21 6 5]
In [11]:
          from scipy.stats import ttest_1samp
In [13]:
          ttest_,p_value=ttest_1samp(age_sample,30)
In [14]:
          print(p_value)
          0.010042165164831255
In [15]:
          if p_value < 0.05:
              print("We are rejecting null hypothesis")
          else:
               print("We are accepting null hypothesis")
          We are rejecting null hypothesis
```

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