20.00   —   +

Enter the standard deviation of the population:

6.00   —   +

Enter the number of samples:

5.00   —   +

Enter the allowable error(0.01 or 0.05 or 0.10):

0.10   —   +

Calculate

z test value is: -3.72677996249965

The 10% error is not in acceptable range. **Reject the null hypothesis**