Write both SAS and R codes to perform t test for

H0: µ=0 vs H1: µ≠0

Do NOT use the existing functions or procedures until step 5. You need to write your own codes to implement the test. The suggest steps are as following:

1. Generate 100 normally distributed random variable with mean=0.5 and variance=9.
2. Compute the sample mean and sample variance.
3. Compute the test statistics.
4. Compute the p-value.
5. Use the existing function or procedure to test the hypothesis. Compare the two results.