

```
IT24101546.R* x
Source on Save
Run
1 setwd("C:\\Users\\THITHIRA.D\\Desktop\\Y2S1\\IT24101546")
2 getwd()
3
4 #random sample of size 25 for the baking time
5 sample <- rnorm(25, mean =45, sd =2)
6
7 # Test whether the average baking time is less than 46 minutes at a 5% level of significance.
8 t.test (sample, mu=46, alternative = "less")
9 |

9:1 (Top Level) R Script

Console Terminal Background Jobs
R 4.5.1 - C:/Users/THITHIRA.D/Desktop/Y2S1/IT24101546/
> setwd("C:\\Users\\THITHIRA.D\\Desktop\\Y2S1\\IT24101546")
> getwd()
[1] "C:/Users/THITHIRA.D/Desktop/Y2S1/IT24101546"
> #random sample of size 25 for the baking time
> sample <- rnorm(25, mean =45, sd =2)
> # Test whether the average baking time is less than 46 minutes at a 5% level of significance.
> t.test (sample, mu=46, alternative = "less")

One Sample t-test

data: sample
t = -1.3818, df = 24, p-value = 0.08988
alternative hypothesis: true mean is less than 46
95 percent confidence interval:
 -Inf 46.11485
sample estimates:
mean of x
45.51778
```