

IT24101566

Lab 09

```
1 setwd("C:\\Users\\Dulara\\Desktop\\IT24101566")
2 getwd()
3
4 #1
5 set.seed(123) # reproducibility
6 bake <- rnorm(25, mean = 45, sd = 2)
7 bake
8
9 #2
10 t.test(bake, mu = 46, alternative = "less")
11 |
```

11:1 (Top Level) ▾

Console Terminal x Background Jobs x

R 4.5.1 · C:/Users/Dulara/Desktop/IT24101566/ ↗

```
> setwd("C:\\Users\\Dulara\\Desktop\\IT24101566")
> #1
> set.seed(123) # reproducibility
> bake <- rnorm(25, mean = 45, sd = 2)
> bake
[1] 43.87905 44.53965 48.11742 45.14102 45.25858 48.43013 45.92183 42.46988
[9] 43.62629 44.10868 47.44816 45.71963 45.80154 45.22137 43.88832 48.57383
[17] 45.99570 41.06677 46.40271 44.05442 42.86435 44.56405 42.94799 43.54222
[25] 43.74992
> #2
> t.test(bake, mu = 46, alternative = "less")
```

One Sample t-test

data: bake
t = -2.8167, df = 24, p-value = 0.004776
alternative hypothesis: true mean is less than 46
95 percent confidence interval:
-Inf 45.58124
sample estimates:
mean of x
44.93334