IT24102614_Lab-09

```
getwd()
setwd("C:\\Users\\ASUS TUF\\Desktop\\IT24102614")
##Part 1

x <- rnorm(25, mean = 45, sd = 2)
x
##Part 2
t.test(x, mu = 46, alternative = "less")
```

```
> getwd()
[1] "C:/Users/ASUS TUF/Documents"
> setwd("C:\\Users\\ASUS TUF\\Desktop\\IT24102614")
>
> x <- rnorm(25, mean = 45, sd = 2)
> x
 [1] 46.20314 46.60697 47.56482 44.19211 43.62006 42.93914 44.38831 48.21972 43.81375 46.62772
[11] 44.35193 42.15741 46.45655 45.17837 44.08011 41.22213 45.89505 47.74970 49.59441 45.27821
[21] 43.24970 43.93395 42.66734 42.38351 44.87950
> ##Part 2
> t.test(x, mu = 46, alternative = "less")

        One Sample t-test

data:  x
t = -2.5708, df = 24, p-value = 0.008386
alternative hypothesis: true mean is less than 46
95 percent confidence interval:
     -Inf 45.64213
sample estimates:
mean of x
 44.93014

>
```