

IT24103260

Lab 9

code:

The screenshot displays the R Studio environment with the following components:

- Script Editor:** Contains the following R code:

```
1 y<-rnorm(25,mean=45,sd=2)
2 t.test(y,mu=46,alternative="less")
3
```
- Console:** Shows the output of the executed code:

```
R 4.2.2 - C:/Users/it24103260/Downloads/
> y<-rnorm(25,mean=45,sd=2)
> t.test(y,mu=46,alternative="less")

One Sample t-test

data: y
t = -3.0998, df = 24, p-value = 0.002445
alternative hypothesis: true mean is less than 46
95 percent confidence interval:
 -Inf 45.50328
sample estimates:
mean of x
 44.89139
```
- Environment:** Shows the Global Environment with a variable 'y' of type 'num' containing 25 values. The first few values are 45.2, 44.6, 45.8, 44, 43.5, etc.
- Files:** Displays the file explorer for the Downloads folder, listing files: Data.zip (631.9 KB, Oct 7, 2025, 10:07 AM), desktop.ini (282 B, Oct 7, 2025, 9:55 AM), and IT24103260_Lab9.R (124 B, Oct 7, 2025, 10:16 AM).