

PS-LAB-09

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

- Source Editor:** Contains an R script with the following code:

```
1 setwd("F:\\SLIIT\\Y2S1\\PS\\Lab_9")
2 #1.
3 bake <- rnorm(25, mean = 45, sd = 2)
4 bake
5 #2.
6 t.test(bake, mu = 46, alternative = "less")
7
```
- Console:** Shows the execution of the script:

```
> setwd("F:\\SLIIT\\Y2S1\\PS\\Lab_9")
> bake <- rnorm(25, mean = 45, sd = 2)
> bake
[1] 44.17544 44.06215 48.38247 44.54626 44.28603 45.07439 43.11935 45.54449 46.58594 43.75846 42.86419
[12] 41.98090 43.20401 45.31486 44.54696 43.60799 48.11808 46.14269 48.29365 46.99566 43.63519 46.67528
[23] 46.39477 46.37973 47.92154
> t.test(bake, mu = 46, alternative = "less")

    one sample t-test

data:  bake
t = -1.9907, df = 24, p-value = 0.02901
alternative hypothesis: true mean is less than 46
95 percent confidence interval:
 -Inf 45.8966
sample estimates:
mean of x
 45.26442
>
```
- Environment Pane:** Shows the 'Global Environment' with a variable 'bake' of type 'num' with 25 values.
- Files Pane:** Shows the file structure of the project.