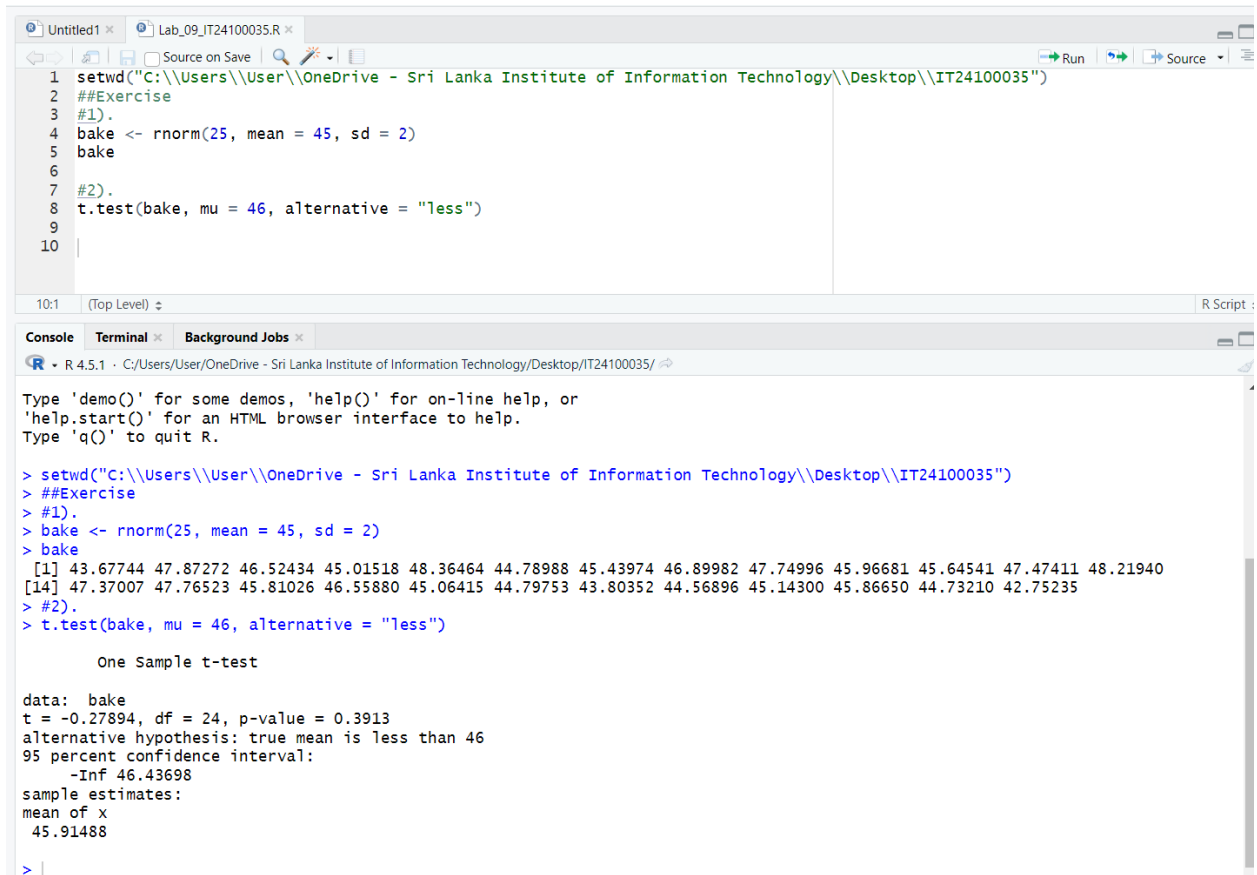


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Lab 09



The screenshot displays the R Studio environment. The top pane shows a script file named 'Lab_09_IT24100035.R' with the following code:

```
1 setwd("C:\\Users\\User\\OneDrive - Sri Lanka Institute of Information Technology\\Desktop\\IT24100035")
2 ##Exercise
3 #1).
4 bake <- rnorm(25, mean = 45, sd = 2)
5 bake
6
7 #2).
8 t.test(bake, mu = 46, alternative = "less")
9
10 |
```

The bottom pane shows the console output for the executed code:

```
> setwd("C:\\Users\\User\\OneDrive - Sri Lanka Institute of Information Technology\\Desktop\\IT24100035")
> ##Exercise
> #1).
> bake <- rnorm(25, mean = 45, sd = 2)
> bake
[1] 43.67744 47.87272 46.52434 45.01518 48.36464 44.78988 45.43974 46.89982 47.74996 45.96681 45.64541 47.47411 48.21940
[14] 47.37007 47.76523 45.81026 46.55880 45.06415 44.79753 43.80352 44.56896 45.14300 45.86650 44.73210 42.75235
> #2).
> t.test(bake, mu = 46, alternative = "less")

One Sample t-test

data:  bake
t = -0.27894, df = 24, p-value = 0.3913
alternative hypothesis: true mean is less than 46
95 percent confidence interval:
 -Inf 46.43698
sample estimates:
mean of x
 45.91488
> |
```