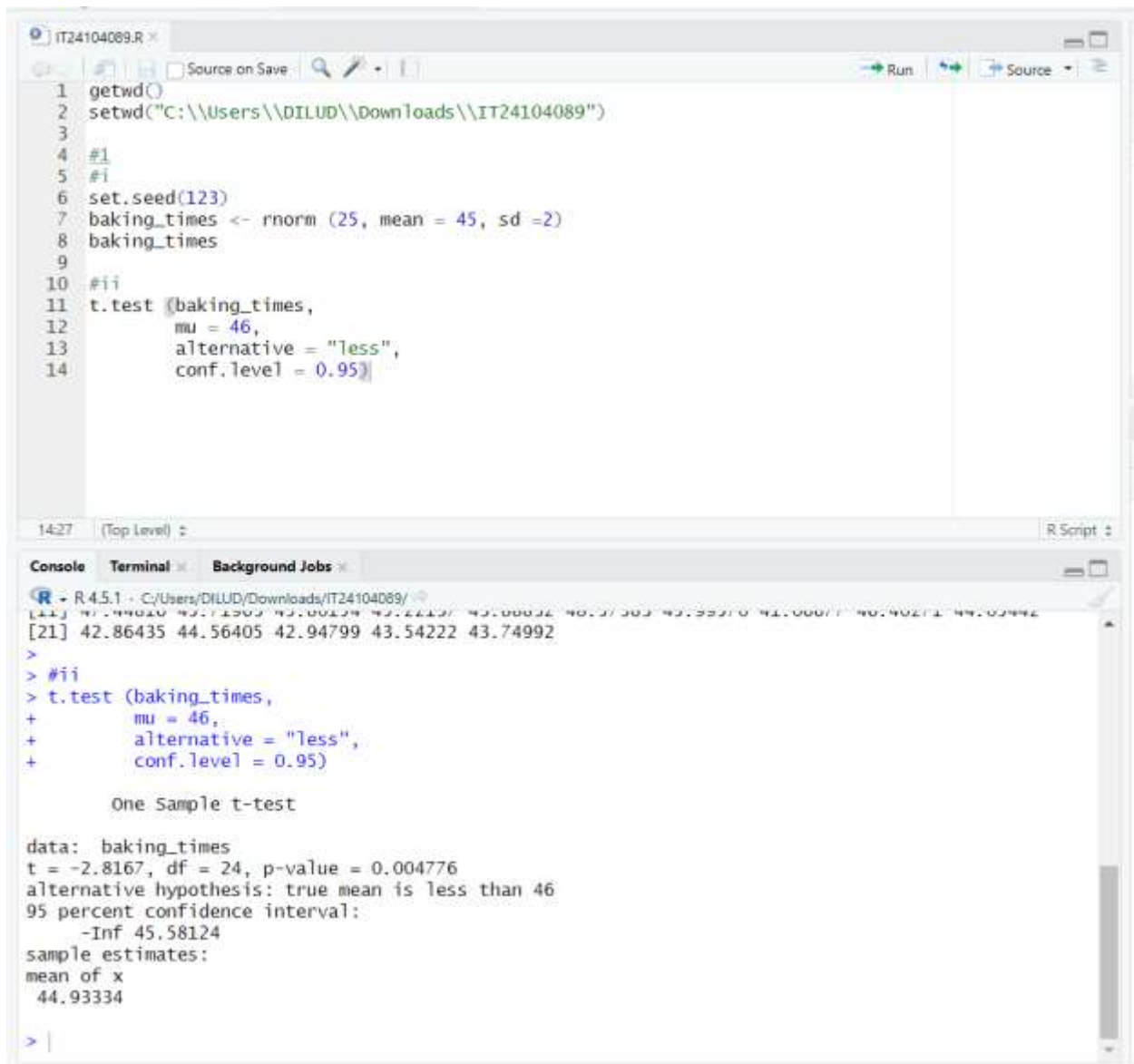


IT24104089

Lab Sheet 09



The screenshot shows an R Studio window with a script editor and a console. The script editor contains the following R code:

```
1 getwd()
2 setwd("C:\\Users\\DILUD\\Downloads\\IT24104089")
3
4 #i
5 #i
6 set.seed(123)
7 baking_times <- rnorm(25, mean = 45, sd = 2)
8 baking_times
9
10 #ii
11 t.test(baking_times,
12        mu = 46,
13        alternative = "less",
14        conf.level = 0.95)
```

The console shows the output of the script, including the current working directory, the generated random numbers, and the results of the t-test:

```
R - R4.5.1 - C:/Users/DILUD/Downloads/IT24104089/
[1] 41.99010 43.71503 43.00129 43.22127 43.00032 40.37303 43.33310 41.00077 40.90271 44.02442
[21] 42.86435 44.56405 42.94799 43.54222 43.74992
>
> #ii
> t.test(baking_times,
+        mu = 46,
+        alternative = "less",
+        conf.level = 0.95)

One Sample t-test

data:  baking_times
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
> |
```