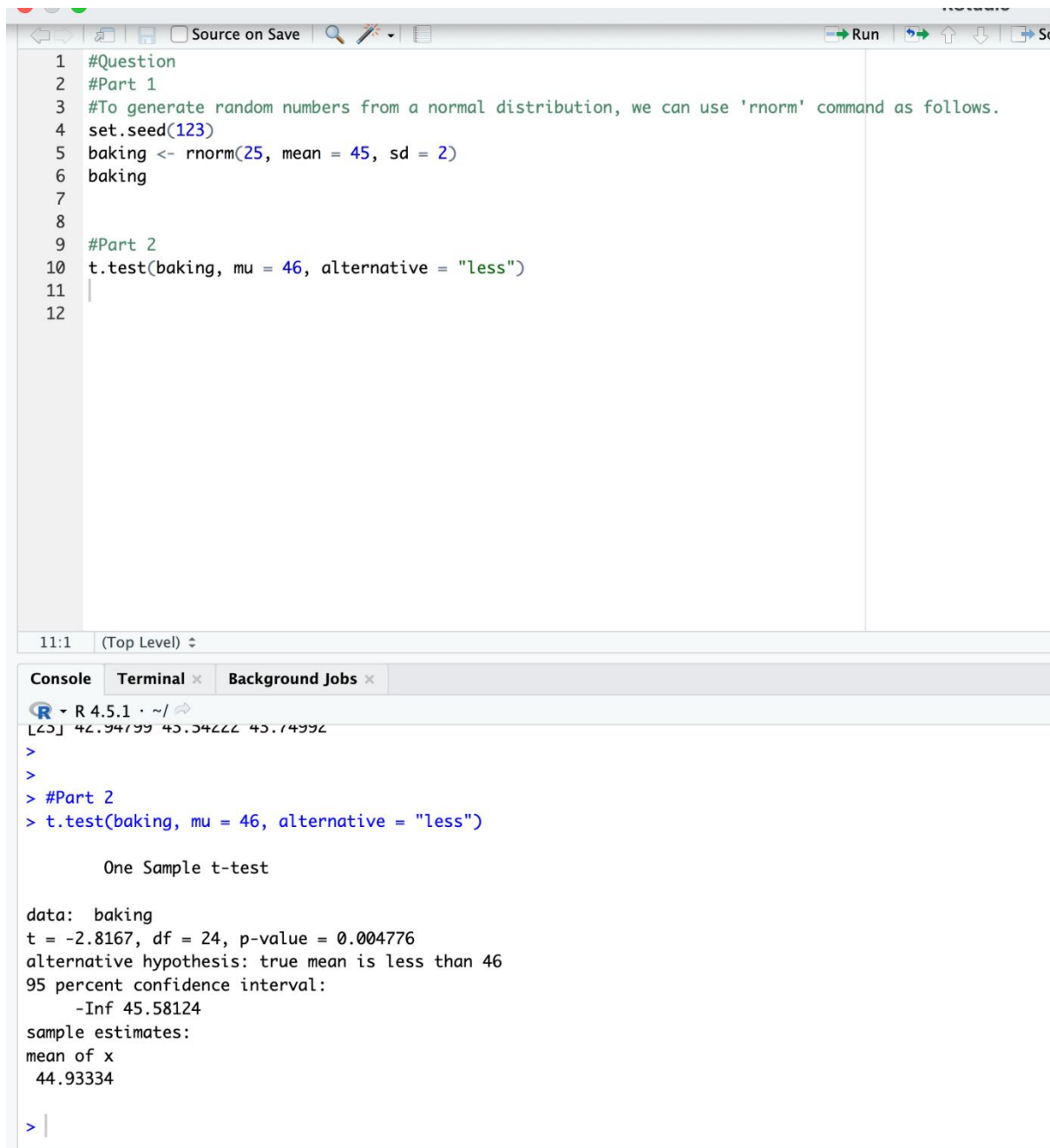


Probability & Statistics

SHEIYON S

Lab sheet 09

IT24102267



```
1 #Question
2 #Part 1
3 #To generate random numbers from a normal distribution, we can use 'rnorm' command as follows.
4 set.seed(123)
5 baking <- rnorm(25, mean = 45, sd = 2)
6 baking
7
8
9 #Part 2
10 t.test(baking, mu = 46, alternative = "less")
11
12
```

11:1 (Top Level) ↕

Console Terminal Background Jobs

R 4.5.1 · ~/

```
[1] 44.94199 45.54222 45.74992
>
>
> #Part 2
> t.test(baking, mu = 46, alternative = "less")

One Sample t-test

data:  baking
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
>
```