**IT24103028**

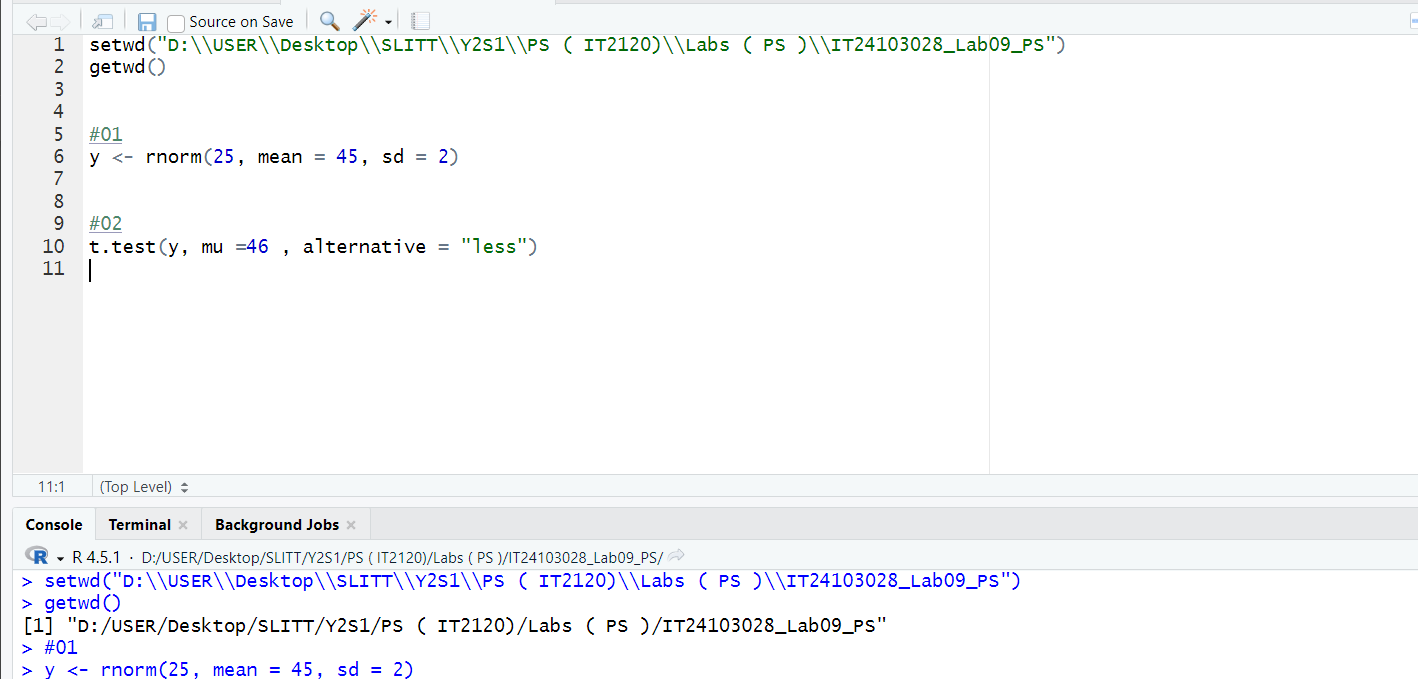
**Probability and Statistics – IT2120**

**Lab09**

1. Assume that the time taken to bake a batch of cookies is normally distributed with

mean 45 minutes and standard deviation 2 minutes.

i. Generate a random sample of size 25 for the baking time.



ii. Test whether the average baking time is less than 46 minutes at a 5% level of

significance.

