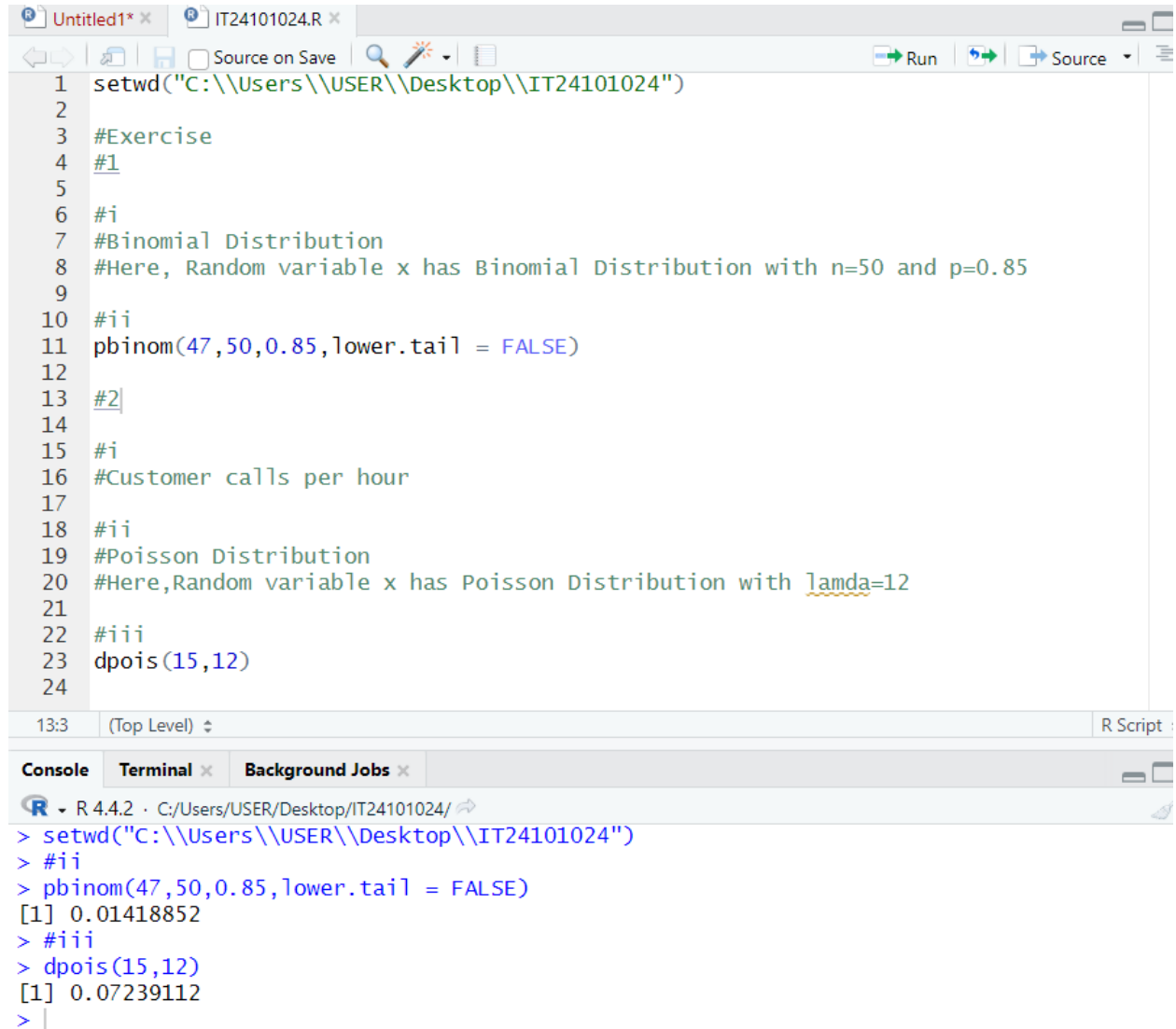


IT24101024

Lab 06

Exercise



The screenshot displays the R Studio interface. The top pane shows an R script with the following content:

```
1 setwd("C:\\Users\\USER\\Desktop\\IT24101024")
2
3 #Exercise
4 #1
5
6 #i
7 #Binomial Distribution
8 #Here, Random variable x has Binomial Distribution with n=50 and p=0.85
9
10 #ii
11 pbinom(47,50,0.85,lower.tail = FALSE)
12
13 #2
14
15 #i
16 #Customer calls per hour
17
18 #ii
19 #Poisson Distribution
20 #Here,Random variable x has Poisson Distribution with lamda=12
21
22 #iii
23 dpois(15,12)
24
```

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

```
> setwd("C:\\Users\\USER\\Desktop\\IT24101024")
> #ii
> pbinom(47,50,0.85,lower.tail = FALSE)
[1] 0.01418852
> #iii
> dpois(15,12)
[1] 0.07239112
> |
```