IT24104102

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PS Labsheet 06
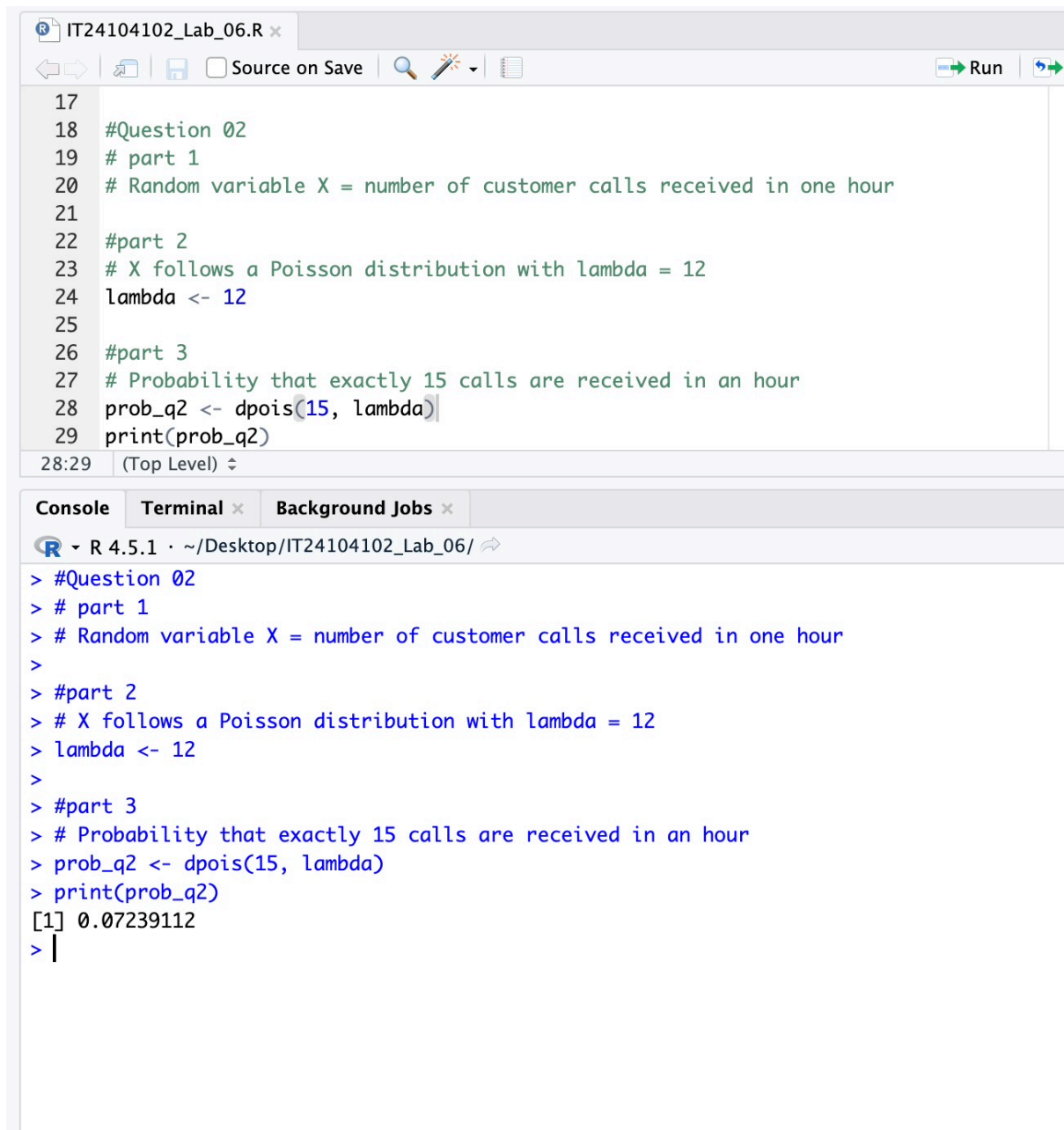
Exercise

Question 01

Question 02

```
17
18   #Question 02
19   # part 1
20   # Random variable X = number of customer calls received in one hour
21
22   #part 2
23   # X follows a Poisson distribution with lambda = 12
24   lambda <- 12
25
26   #part 3
27   # Probability that exactly 15 calls are received in an hour
28   prob_q2 <- dpois(15, lambda)
29   print(prob_q2)
```
28:29   (Top Level) ÷

Console   **Terminal** ×   **Background Jobs** ×

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```
> #Question 02
> # part 1
> # Random variable X = number of customer calls received in one hour
>
> #part 2
> # X follows a Poisson distribution with lambda = 12
> lambda <- 12
>
> #part 3
> # Probability that exactly 15 calls are received in an hour
> prob_q2 <- dpois(15, lambda)
> print(prob_q2)
[1] 0.07239112
>
```