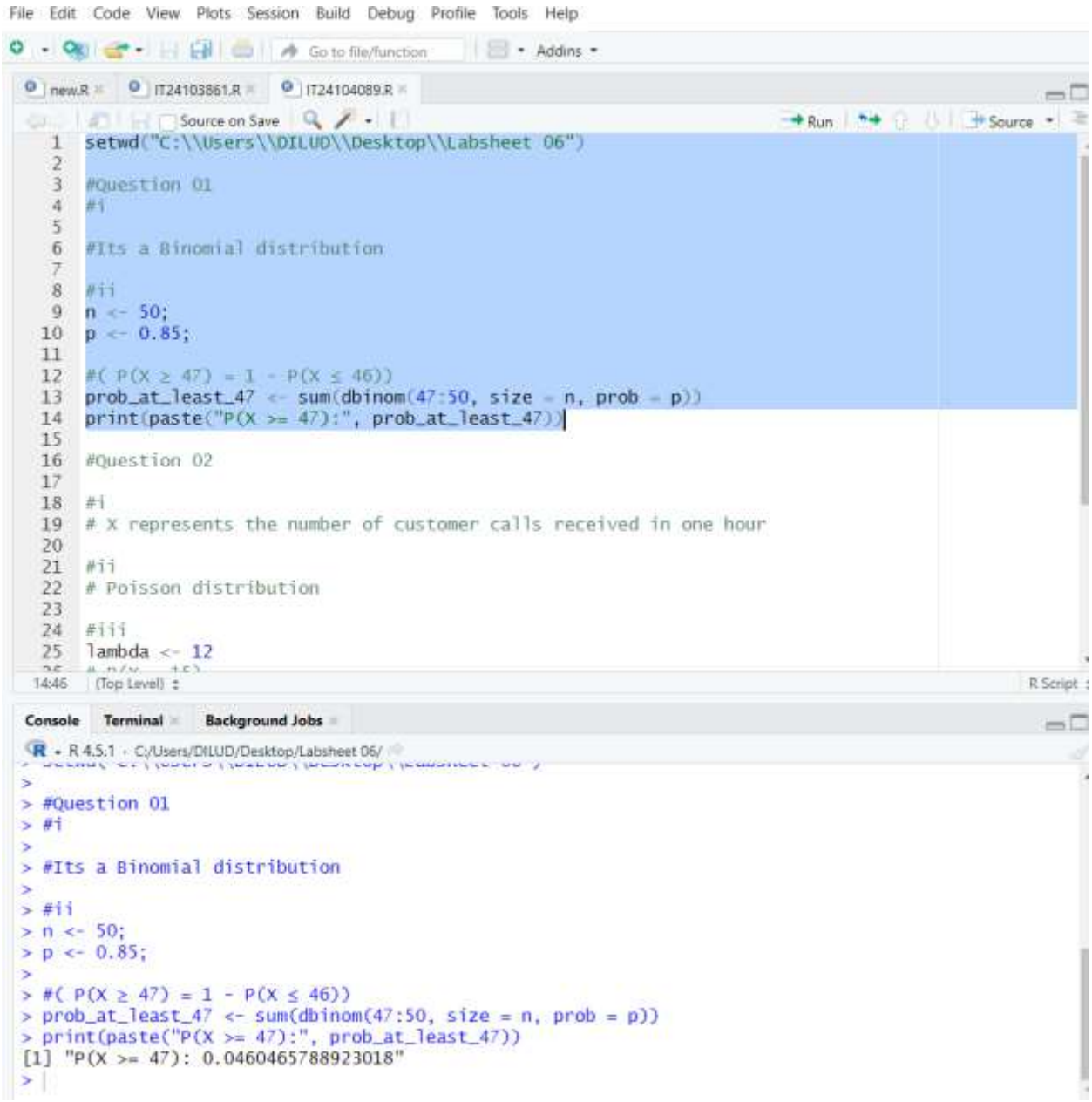
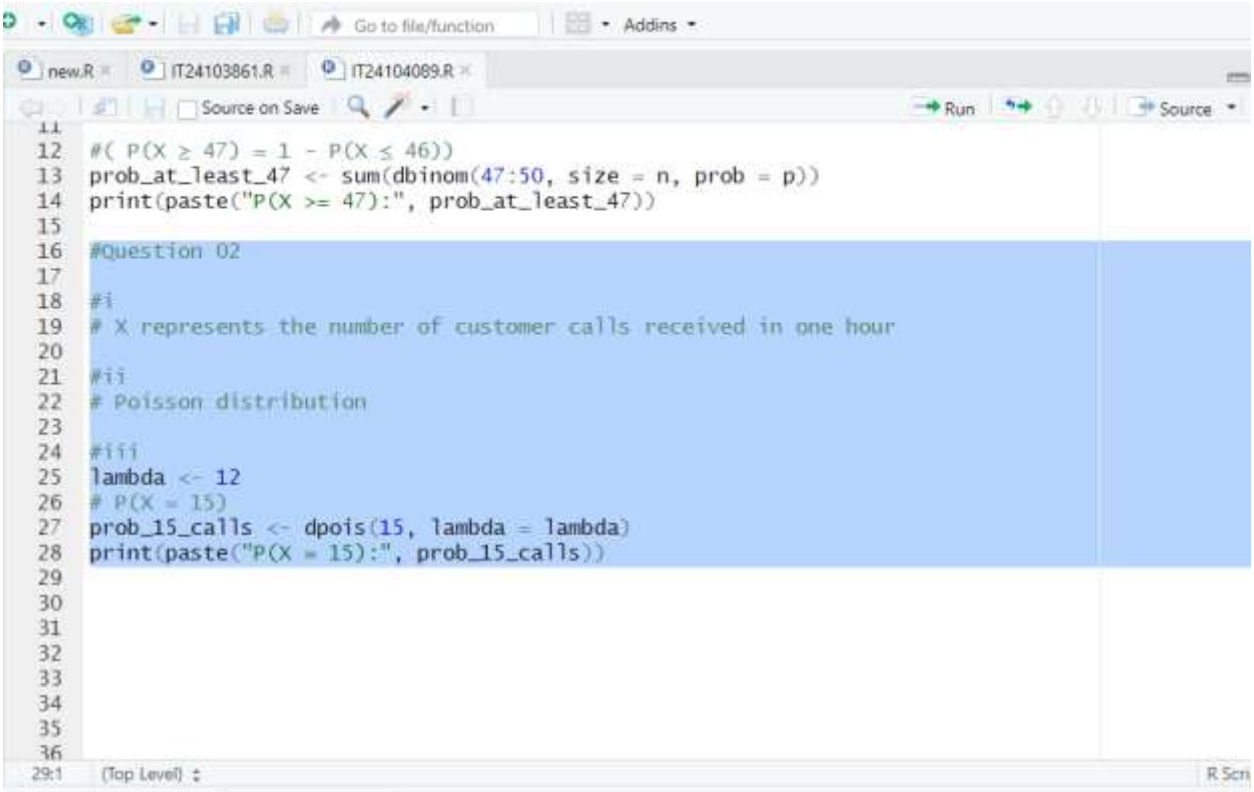
Fernando K.D.P.S

Labsheet 06





```
#( P(X ≥ 47) = 1 - P(X ≤ 46))
prob_at_least_47 <- sum(dbinom(47:50, size = n, prob = p))
print(paste("P(X >= 47):", prob_at_least_47))

#Question 02

#i
# X represents the number of customer calls received in one hour

#ii
# Poisson distribution

#iii
lambda <- 12
# P(X = 15)
prob_15_calls <- dpois(15, lambda = lambda)
print(paste("P(X = 15):", prob_15_calls))
```

```
> #Question 02
>
> #i
> # X represents the number of customer calls received in one hour
>
> #ii
> # Poisson distribution
>
> #iii
> lambda <- 12
> # P(X = 15)
> prob_15_calls <- dpois(15, lambda = lambda)
> print(paste("P(X = 15):", prob_15_calls))
[1] "P(X = 15): 0.0723911201466387"
>
```