

IT24102544

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Lab 06

### Exercise

```
setwd("C:\\Users\\User\\Desktop\\IT24102544")
getwd()

#Question 01
#i)
#Binomial Theorum
#ii)
#Here, random variabl x has binomial distribution with n=50 and p=0.85
1-pbinom(46,50,0.85, lower.tail = TRUE)

#Question 02
#i)
#X=number of calls in one hour
#ii)
#Poisson Distribution
#iii)
#Here, random variable x has poisson distribustion with lambda=12
dpois(15,12)
```

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```
> setwd("C:\\Users\\User\\Desktop\\IT24102544")
> getwd()
[1] "C:/Users/User/Desktop/IT24102544"
>
> #Question 01
> #i)
> #Binomial Theorum
> #ii)
> #Here, random variabl x has binomial distribution with n=50 and p=0.85
> 1-pbinom(46,50,0.85, lower.tail = TRUE)
[1] 0.04604658
>
> #Question 02
> #i)
> #X=number of calls in one hour
> #ii)
> #Poisson Distribution
> #iii)
> #Here, random variable x has poisson distribustion with lambda=12
> dpois(15,12)
[1] 0.07239112
```