

**IT24102056**

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## **IT2120 - Probability and Statistics**

### **Lab 06**

```
setwd("C:\\Users\\user\\Desktop\\IT24102056")

#Exercise
#1

#i)
#Binomial Distribution
#Here, Random variable x has binomial distribution with n=50 and p=0.85

#ii)
pbinom(47,50,0.85, lower.tail = FALSE)

#2

#i)
#Customer calls per hour

#ii)
#Poisson distribution
#Here, random variable x has Poisson distribution with lamda = 12

#iii)
dpois(15,12)
```

```
> setwd("C:\\Users\\user\\Desktop\\IT24102056")
> #ii)
> pbinom(47,50,0.85, lower.tail = FALSE)
[1] 0.01418852
> #iii)
> dpois(15,12)
[1] 0.07239112
```