

IT24101987

Ps lab 6

Exercise

1.)

i.)

```
1 setwd("C:\\Users\\USER\\OneDrive\\Desktop\\IT24101987")
2 #Exercise 2
3
4
5
6 #Question 1
7 #1
8 #Binomial Distribution
9 #n = 50 and p=0.85
0
```

ii)

```
# 2
dbinom(47,50,0.85)
```

```
> setwd("C:\\Users\\USER\\OneDrive\\Desktop\\IT24101987")
> dbinom(47,50,0.85)
[1] 0.03185806
```

2.)

i.)

```
#QUESTION 2  
# 1|  
# X is the number of customer calls received in one hour.
```

ii.)

```
#2  
# X has poisson distribution with lamda = 12
```

iii.)

```
# 3  
#What is the probability that exactly 15 calls are received in an hour?  
dpois(15,12)
```

```
[1] 0.03103000  
> dpois(15,12)  
[1] 0.07239112
```