IT24101972

NETHSARA KPS

PS LAB 06

```
 1  setwd("C:\\Users\\SANDARU\\Desktop\\PS LAB 06")
 2
 3  #1.(i) Binomial Distribution
 4  #       Here, Random variable x has Binomial Distribution with n=50 and p=0.85
 5  #  (ii)
 6  pbinom(47,50,0.85,lower.tail = FALSE)
 7
 8
 9  #2.(i)Customer calls per hour
10  #  (ii)Poisson Distribution
11  #   Here,Random variable x has Poisson Distribution with lamda=12
12  #  (iii)
13  dpois(15,12)
14  |
```

14:1   (Top Level) ⬍

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

R ▾ R 4.4.2 · C:/Users/SANDARU/Desktop/PS LAB 06/ ⇴

```
> setwd("C:\\Users\\SANDARU\\Desktop\\PS LAB 06")
> #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)
[1] 0.01418852
> #2.(i)Customer calls per hour
> #  (ii)Poisson Distribution
> #   Here,Random variable x has Poisson Distribution with lamda=12
> #  (iii)
> dpois(15,12)
[1] 0.07239112
> |
```