

Tharindi W.A.M

IT24103821

LAB SHEET 6

Exercise

```
1 #part 1
2 #i
3 #Binomial Distribution
4
5 #ii
6 1- pbinom(47,50,0.85,lower.tail =TRUE)-pbinom(47,50,0.85,lower.tail =FALSE)
7
8 #part 2
9 #i X = the number of customer calls received in an hour.
10 #ii. poisson distribution
11 #iii
12 dpois(15,12)
13 |
14
```

```
R ▾ R 4.5.1 . ~/
> #ii
> 1- pbinom(47,50,0.85,lower.tail =TRUE)-pbinom(47,50,0.85,lower.tail =FALSE)
[1] -1.561251e-17
> #part 2
> #i X = the number of customer calls received in an hour.
> #ii. poisson distribution
> #iii
> dpois(15,12)
[1] 0.07239112
> |
```