# (IT2120 - Probability and Statistics

## Lab Sheet 06

IT24100283

```
setwd("C:\\Users\\vishw\\Downloads\\Lab Sheet 06")
getwd()

#1

#i- Binomial Distribution
#ii-
1-pbinom(46,50,0.85,lower.tail = TRUE)

#2

#i-Number of calls per hour
#ii-Poisson distribution
#iii-
dpois(15,12)
```

```
> setwd("C:\\Users\\vishw\\Downloads\\Lab Sheet 06")
> getwd()
[1] "C:/Users/vishw/Downloads/Lab Sheet 06"
> #i- Binomial Distribution
> #ii-
> 1-pbinom(46,50,0.85,lower.tail = TRUE)
[1] 0.04604658
> #i-Number of calls per hour
> #ii-Poisson distribution
> #iii-
> dpois(15,12)
[1] 0.07239112
>
```