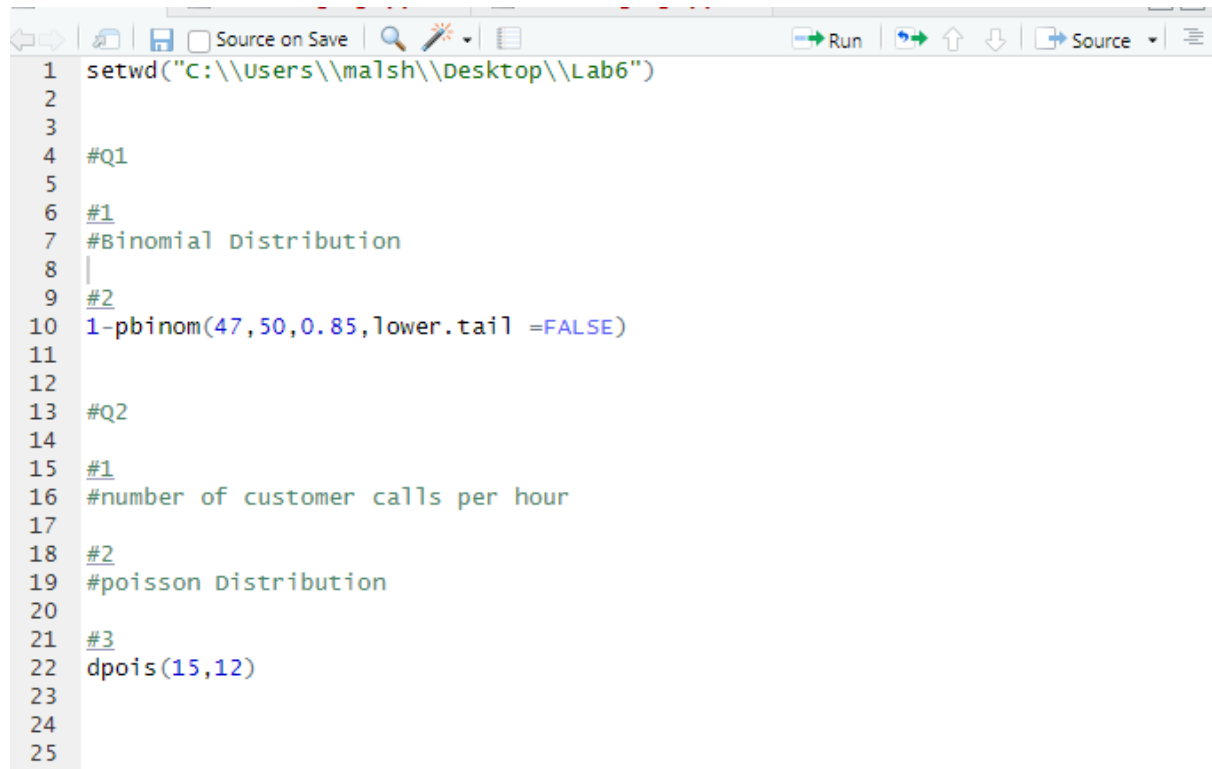


## Probability and Statistics - IT2120

### Labsheet 06

Nandanayaka H.P.N.M



```
1 setwd("C:\\Users\\malsh\\Desktop\\Lab6")
2
3
4 #Q1
5
6 #1
7 #Binomial Distribution
8 |
9 #2
10 1-pbinom(47,50,0.85,lower.tail =FALSE)
11
12
13 #Q2
14
15 #1
16 #number of customer calls per hour
17
18 #2
19 #poisson Distribution
20
21 #3
22 dpois(15,12)
23
24
25
```

```
R 4.5.1 · C:/Users/malsh/Desktop/Lab6/ ↗
> setwd("C:\\Users\\malsh\\Desktop\\Lab6")
>
>
> #Q1
>
> #1
> #Binomial Distribution
>
> #2
> 1-pbinom(47,50,0.85,lower.tail =FALSE)
[1] 0.9858115
>
>
> #Q2
>
> #1
> #number of customer calls per hour
>
> #2
> #poisson Distribution
>
> #3
> dpois(15,12)
[1] 0.07239112
```