IT2120 - Probability and Statistics

Lab Sheet 06

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```r
# Set working directory to your folder on Desktop
setwd("C:\\Users\\IT24100372\\Desktop\\New folder")

# Question 1
n1 <- 50
p1 <- 0.85
prob_47_or_more <- pbinom(46, size = n1, prob = p1, lower.tail = FALSE)
prob_47_or_more

# Question 2
lambda <- 12
x <- 15
prob_15_calls <- dpois(x, lambda)
prob_15_calls
```

```
> # Set working directory to your folder on Desktop
> setwd("C:\\Users\\IT24100372\\Desktop\\New folder")
> # Question 1
> n1 <- 50
> p1 <- 0.85
> prob_47_or_more <- pbinom(46, size = n1, prob = p1, lower.tail = FALSE)
> prob_47_or_more
[1] 0.04604658
> # Question 2
> lambda <- 12
> x <- 15
> prob_15_calls <- dpois(x, lambda)
> prob_15_calls
[1] 0.07239112
```