**Lab Exercise 6 (Discrete Probability Distributions)**

**Question 1**

1. setwd("C:\\Users\\vishm\\OneDrive\\Desktop\\IT24101709\\Lab 6")
2. 

dbinom(40,44,0.92)

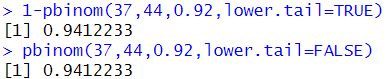


1. pbinom(35,44,0.92,lower.tail=TRUE)



1. 1-pbinom(37,44,0.92,lower.tail=TRUE)

pbinom(37,44,0.92,lower.tail=FALSE)



1. pbinom(42,44,0.92,lower.tail=TRUE)-pbinom(39,44,0.92,lower.tail=TRUE)



**Question 2**

1. number of babies born in a hospital on a given day.
2. Poisson distribution.
3. dpois(6,5)



1. ppois(6,5,lower.tail = FALSE)



**EXERCIS**

**1)**

1. Binomial
2. 1 - pbinom(46, 50, 0.85, lower.tail = TRUE) 

**2)**

i. Number of customer calls per hour

ii. Poisson distribution

1. dpois(15, 12)

