**INPUT:**

#Set the parameters

#Average numbr of complaints per week

lambda <- 2

#Maximum number of complaints per week

max\_complaints <- 3

#Number of weeks

num\_weeks <- 60

#Generate compound poisson distribution

complaints\_per\_week <- pmin(rpois(num\_weeks,lambda),max\_complaints)

#Display the results

print(complaints\_per\_week)

**OUTPUT:**

> print(complaints\_per\_week)

[1] 2 1 1 3 1 3 1 0 1 3 2 3 1 0 1 0 0 1 0 2 1 2 1 1 1 3 3 0 3 3 0 3 2 1 3 1 0 3 1 2 1

[42] 1 2 3 3 1 3 2 3 1 3 2 2 0 2 3 1 2 2 0