data2<-c(1, 5, 7 ,5, 3, 2, 6, 8, 5, 6)

quantile(data2, 0.3)

quantile(data2, c(0.2, 0.5, 0.8))

data2 <- c(3, 5, 7, 5 ,3, 2, 6, 8, 5, 6, 9,4, 5, 7, 3, 4)

cumsum(data2)

cummax(data2)

cumprod(data2)

seq(along = data2)

seq(data2)

seq\_along(data2)

#1Generate random numbers whose distribution is normal

x <- rnorm(50,25,1)

# Plot the histogram for this sample.

hist(x, main = "Normal DIstribution")

m=mean(x)

s=sd(x)

# 2) Probability distribution

y <- dnorm(x, m, s)

round(y,2)

plot(x,y)

#3) cumulative distribution

z <- pnorm(x, mean = m, sd = s)

# Plot the graph.

plot(x,z)

dev.off()

# 4) quantile distribution

k <- qnorm(z, mean = (x), sd = sd(x))

k