7.The following values are the number of pencils available in the different boxes. Create a vector and find out the mean, median and mode values of set of pencils in the given data.

Box1 Box2 Box3 Box4 Box5 Box6 Box7 Box8 Box9 Box 10

9          25      23     12      11      6      7        8        9             10

PRORAM:

pencils <- c(9, 25, 23, 12, 11, 6, 7, 8, 9, 10)

mean\_pencils <- mean(pencils)

median\_pencils <- median(pencils)

find\_mode <- function(x) {

unique\_x <- unique(x)

tabulate\_x <- tabulate(match(x, unique\_x))

mode\_x <- unique\_x[tabulate\_x == max(tabulate\_x)]

return(mode\_x)

}

mode\_pencils <- find\_mode(pencils)

cat("Mean of pencils:", mean\_pencils, "\n")

cat("Median of pencils:", median\_pencils, "\n")

cat("Mode of pencils:", mode\_pencils, "\n")

OUTPUT:

