3.Two Maths teachers are comparing how their Year 9 classes performed in the end of year exams. Their results are as follows: Class A: 76, 35, 47, 64, 95, 66, 89, 36, 8476,35,47,64,95,66,89,36,84  Class B: 51, 56, 84, 60, 59, 70, 63, 66, 5051,56,84,60,59,70,63,66,50  (i) Find which class had scored higher mean, median and range.(ii) Plot above in boxplot and give the inferences  Class B: 51, 56, 84, 60, 59, 70, 63, 66, 5051,56,84,60,59,70,63,66,50 give the r program

PROGRAM:

class\_A <- c(76, 35, 47, 64, 95, 66, 89, 36, 84)

class\_B <- c(51, 56, 84, 60, 59, 70, 63, 66, 50)

mean\_A <- mean(class\_A)

median\_A <- median(class\_A)

range\_A <- range(class\_A)

range\_diff\_A <- diff(range\_A)

mean\_B <- mean(class\_B)

median\_B <- median(class\_B)

range\_B <- range(class\_B)

range\_diff\_B <- diff(range\_B)

cat("Class A - Mean:", mean\_A, "Median:", median\_A, "Range:", range\_A, "Range Difference:", range\_diff\_A, "\n")

cat("Class B - Mean:", mean\_B, "Median:", median\_B, "Range:", range\_B, "Range Difference:", range\_diff\_B, "\n")

boxplot(class\_A, class\_B, names = c("Class A", "Class B"), col = c("lightblue", "lightgreen"),

main = "Boxplot of Class A and Class B Scores",

ylab = "Scores")

OUTPUT: