CODE:

student = data.frame(

Name = c("Raju", "Shyam", "BabuRao"),

Maths = c(98, 78, 95),

English = c(88, 75, 93),

Science = c(98, 96, 99)

)

print(student)

OUTPUT:

CODE:

student = data.frame(

Maths = c(98, 78, 95),

English = c(88, 75, 93),

Science = c(98, 96, 99)

)

boxplot(

data,

main = "Subject Mark Distribution",

xlab = "X",

ylab = "Y",

names = c("Math", "English", "Sci")

)

OUTPUT:

CODE:

marks <- data.frame(

Subject1 = c(80, 75, 85, 90, 95),

Subject2 = c(70, 65, 75, 80, 85),

Subject3 = c(60, 55, 65, 70, 75)

)

hist(marks$Subject1,

main = "Subject 1 Marks",

xlab = "Marks"

)

hist(marks$Subject2,

main = "Subject 2 Marks",

xlab = "Marks"

)

hist(marks$Subject3,

main = "Subject 3 Marks",

xlab = "Marks"

)

OUTPUT:

CODE:

OUTPUT:

CODE:

marks = data.frame(

Subj1 = c(80, 75, 85, 90, 95, 66, 87, 54),

Subj2 = c(70, 65, 75, 80, 85, 12, 43, 55),

Subj3 = c(60, 55, 65, 70, 75, 88, 75, 56)

)

cat("Subject 1 : ", marks$Subj1)

cat("\nMean : ", mean(marks$Subj1))

cat("\nMedian : ", median(marks$Subj1))

cat("\nRange : ", range(marks$Subj1))

cat("\nVar : ", var(marks$Subj1))

cat("\nStandard Deviation : ", sd(marks$Subj1))

q1 = quantile(marks$Subj1, 0.25)

q2 = quantile(marks$Subj1, 0.75)

IQR = q2 - q1

cat("\nIQR : ", IQR)

cat("\n\nSubject 2 : ", marks$Subj2)

cat("\nMean : ", mean(marks$Subj2))

cat("\nMedian : ", median(marks$Subj2))

cat("\nRange : ", range(marks$Subj2))

cat("\nVar : ", var(marks$Subj2))

cat("\nStandard Deviation : ", sd(marks$Subj2))

q1 = quantile(marks$Subj2, 0.25)

q2 = quantile(marks$Subj2, 0.75)

IQR = q2 - q1

cat("\nIQR : ", IQR)

cat("\n\nSubject 3 : ", marks$Subj3)

cat("\nMean : ", mean(marks$Subj3))

cat("\nMedian : ", median(marks$Subj3))

cat("\nRange : ", range(marks$Subj3))

cat("\nVar : ", var(marks$Subj3))

cat("\nStandard Deviation : ", sd(marks$Subj3))

q1 = quantile(marks$Subj3, 0.25)

q2 = quantile(marks$Subj3, 0.75)

IQR = q2 - q1

cat("\nIQR : ", IQR)

OUTPUT: