dia<-read.csv("C://Users//FLORENCIA ABEL//OneDrive//Documents//diabetes.csv")

View(dia)

plot(dia$Age, dia$BloodPressure, xlab = "Age", ylab = "Blood Pressure", main = "Blood Pressure vs. Age", col = "blue",pch = 16)

age\_group\_labels <- cut(dia$Age, breaks = c(0, 35, 55, Inf), labels = c("Young", "Middle-aged", "Elderly"))

age\_group\_avg\_bp <- tapply(dia$BloodPressure, age\_group\_labels, mean)

barplot(age\_group\_avg\_bp, main = "Average Blood Pressure by Age Group",xlab = "Age Group",ylab = "Average Blood Pressure", col = "steelblue", ylim = c(0, max(age\_group\_avg\_bp) \* 1.2))

