data\_set<-read.table("C:/Users/vaibhav/Desktop/R work/Exploratory Data Analysis/household\_power\_consumption.txt", header=TRUE, sep = ";",dec = ".",fill = FALSE, strip.white = TRUE)

subSetData<-data\_set[data\_set$Date%in%c("1/2/2007","2/2/2007"),]

datetime <- strptime(paste(subSetData$Date, subSetData$Time, sep=" "), "%d/%m/%Y %H:%M:%S")

Global\_active<-as.numeric(paste(subSetData$Global\_active\_power))

#begin plotting

png("Plot4.png", width = 480, height = 480)

par(mfrow=c(2,2),mar=c(4,4,2,2))

plot(datetime,Global\_active,col="red", type = "l", xlab = "", ylab = "Global Active Power(KW)", main = "Global Active Power")

plot(datetime,subSetData$Voltage,col="black",type = "l", ylab = "Voltage")

plot(datetime,subSetData$Sub\_metering\_1,type = "l", col="black",xlab = "",ylab = "Energy Sub Metering", main="")

lines(datetime, subSetData$Sub\_metering\_2, col="red")

lines(datetime, subSetData$Sub\_metering\_3, col="blue")

legend("topright",lwd =.2, lty=1,col=c("black","red","blue"),legend = c("Sub\_metering1","Sub\_metering2","Sub\_metering3"), pt.cex = 1, cex = .5)

plot(datetime,subSetData$Global\_reactive\_power,col="black",type = "l")

dev.off()

#pt.cex and cex are to fit the sixe of legend on screen