x <- c(50,53,54,55,56,59,62,65,67,72,72,74,75,76,79)

y <- c(122,118,128,121,125,136,144,142,149,161,167,168,162,171,175)

relation <- lm(y~x)

print(summary(relation))

a <- data.frame(x = 85)

result <- predict(relation,a)

result

plot(x,y,col="blue",main = "Temparature and yield", abline(lm(y~x)),cex= 1.3,pch=16,xlab="Temparature",ylab="Yield")

plot(relation,which=1)