#1.

x <- c(1,2,3,4,5)

y <- c(6,7,8,9,10)

z <- c(11,12,13,14,15)

a <- cbind(x,y,z)

print(a)

#2.

matplot(as.data.frame(a),type="b")

*Emp = data.frame(name = c("Ali", "Lewis", "Emma", "Amelia", "Tom"),*

*age = c(32,27,21,30,23),*

*gender = c("Male", "Male", "Female", "Female", "Male"),*

*role = c("Software Engineer", "Receptionist ","Hardware Technician", "Data Scientist", "IT Manager"),*

*Length\_of\_service = c("09 months", "18 months", "6 months", "36 months", "48 months")*

*)*

*print(Emp)*

print(summary(Emp))

#3

library("ggplot2")

x <- 1:20

y <- x\*x

qplot(x,y, xlab = "Numbers",

ylab = "Squares")

qplot(x, y, xlab = "Numbers",

ylab = "Squares", geom=c("point", "line"))

#4

data <- data.frame(

subject= c("SQL", "WEB", "C++", "Java", "Networking"),

marks = c(65, 73, 81, 45, 97)

)

ggplot(data, aes(x=subject, y=marks)) +

geom\_bar(stat = "identity")

**Compulsory Task:**

library("ggplot2")

head(txhousing)

ggplot(data = txhousing, aes(x = listings, y = sales)) + geom\_point()

ggplot(data = txhousing, aes (x=listings),(y=sales) ) +geom\_density()

ggplot(data = txhousing, aes (x=year),(y=sales) ) +geom\_bar()

ggplot(data = txhousing, aes (x=date),(y=sales) ) +geom\_line()

ggplot(data = txhousing, aes (x=date),(y=sales) ) +geom\_dotplot()

ggplot(data = txhousing, aes (x=listings),(y=date) ) +geom\_bar()

ggplot(data = txhousing, aes (x=inventory),(y=city) ) +geom\_dotplot()

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