

Data Science Lab-Eval

Set – B

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3CS10

```
Company <- data.frame(  
  C_ID = c(1,2,3,4,5,6),  
  name = c("infoco","telco","byju","jio","waterco","bhartico"),  
  date_of_establishment =  
c(22/10/1999,26/05/1998,19/04/1937,18/04/2022,14/06/2018,25/0  
3/1946),  
  profile = c("erg","dfg","afv","df","afg","srf"),  
  contact_no =  
c(+919823892393,+918739473894,+918439573949,+919728311887,  
+919518414458,+919416304458),  
  email =  
c("infoco@gmail.com","telco@gmail.com","byju@gmail.com","jio@  
gmail.com","waterco@gmail.com","bhartico@gmail.com"),  
  address = c("102 Patiala","165 Yamuna Nagar","2081  
Gurgaon","368 Manesar","832 Ludhiana","983 Karnal"),  
  deals_in = c("Soapbar","Phenyl","Air Conditioner","Water  
Cooler","Mobile Phones","Microwave")  
)
```

```
Clients <- data.frame(CL_ID = c(1,2,3,4,5,6,7,8,9,10),
```

```

name =
c("Parth","vanshika","bhavya","anmol","govind","ishita","tanya","ra
hul","niyati","srishti"),

address = c("123 Yamuna Nagar","387 Ambala","3777
Jhajjar","276 Kashmir","982 bhiwani","378 rhotak","287
Gurgaon","287 Karnal","723 Patiala","738 Derabassi"),

contact_no =
c(+918739473894,+918439573949,+919728311887,+919518414458,
+919416304458,+919823892393,+917362846284,+918362846483,+
919375937445,+918364756893),

email =
c("parth@gmail.com","vanshika@gmail.com","bhavya@gmail.com",
"anmol@gmail.com","govind@gmail.com","ishita@gmail.com","tany
a@gmail.com","rahul@gmail.com","niyati@gmail.com","srishti@gm
ail.com"),

product_req = c("Soapbar","Phenyl","Air
Conditioner","Water Cooler","Mobile
Phones","Microwave","Fridge","Two wheeler","Laptop","Wooden
Furniture"),

quantitiy = c(10,20,3,6,30,3,5,2,10,5)
)

```

#q1

df <-

```
data.frame(Clients$CL_ID,Clients$name,Clients$address,Company$name,
Clients$product_req,Clients$quantity)
```

```
print(df)
```

#q2

```
m <- mean(Clients$quantity)
print(Clients[Clients$product_req > m])
```

```
#q3
```

```
d <- Company[Company$date_of_establishment <= 2010]
e <- Company[substr(Company$deals_in,1,15) == "Electronics Good"]
f <- innerjoin(d,e)
print(f)
```

```
#q4
```

```
c <- sort(Comapny$contact_no)
a <- Company[c]
print(a)
```

```
#q5
```

```
b <- Clients[substr(Clients$address,1,5) == "Delhi"]
print(b)
```

```
#q6
```

```
df2 <- data.frame(Company$name,Client$name,Client$contact_no)
print(df2)
```