Assignment 4.1

Ans

```r
df1 = data.frame(CustId = c(1:6), Product = c(rep("TV", 3), rep("Radio", 3)))

df2 = data.frame(CustId = c(2, 4, 6), State = c(rep("Texas", 2), rep("NYC", 1)))

Left <- merge(df1, df2, by.x = "CustId")

Left


Right <- merge(df1, df2, by = "CustId", all = TRUE)

Right


merge(x = df1, y = df2, by = "CustId", all = TRUE)

merge(x = df1, y = df2, by = " CustId ", all.x = TRUE)

merge(x = df1, y = df2, by = " CustId ", all.y = TRUE)

merge(x = df1, y = df2, by = NULL)


full_join(df1, df2)


library(data.table)

dt1 <- data.table(df1, key = " CustId ")
dt2 <- data.table(df2, key = " CustId ")

joined.dt1.dt.2 <- dt1[dt2]
```