**Session 4 – Foundational R**

**Programming - II**

**Assignment – 1**

**Problem Statement**

**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)))**

**df1 #left table**

**df2 #right table**

**For the above given data frames and tables perform the following operations:**

**1. Return only the rows in which the left table have match**

Left\_table <- merge(df1, df2 , by = "CustId")

Left\_table

CustId Product State

1 2 TV Texas

2 4 Radio Texas

3 6 Radio NYC

**2. Return all rows from both tables, join records from the left which have matching keys in the right table.**

total <- merge(df1, df2, all = TRUE)

total

CustId Product State

1 1 TV <NA>

2 2 TV Texas

3 3 TV <NA>

4 4 Radio Texas

5 5 Radio <NA>

6 6 Radio NYC