

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

```
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)))
```

```
library(dplyr)
```

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

```
inner_join(df1,df2)
```

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

```
df4<-merge(df1, df2, by = "CustId", all = TRUE)
```

```
df4
```

```
1 df1 = data.frame(CustId = c(1:6), Product = c(rep("TV", 3), rep("Radio", 3)))
2 df2 = data.frame(CustId = c(2, 4, 6), State = c(rep("Texas", 2), rep("NYC", 1)))
3
4 library(dplyr)
5 #1. Return only the rows in which the left table have match
6 inner_join(df1,df2)
7
8 #. Return all rows from both tables, join records from the left which have matching keys in the right
9 df4<-merge(df1, df2, by = "CustId", all = TRUE)
10 df4
11 |
```

```
> inner_join(df1,df2)
Joining, by = "CustId"
  CustId Product State
1      2      TV Texas
2      4      Radio Texas
3      6      Radio  NYC
```

```
> df4<-merge(df1, df2, by = "CustId", all = TRUE)
> df4
  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
```