**SQL JOIN QueriesV1**

## **Inner JOIN**

1.a) Select CUSTOMERS.FIRST\_NAME,CUSTOMERS.LAST\_NAME,CUSTOMERS.PACK\_ID,PACKAGES.SPEED from CUSTOMERS inner join PACKAGES on CUSTOMERS.PACK\_ID=PACKAGES.PACK\_ID

b) select CUSTOMERS.FIRST\_NAME,CUSTOMERS.LAST\_NAME,CUSTOMERS.PACK\_ID,PACKAGES.SPEED from CUSTOMERS inner join PACKAGES on CUSTOMERS.PACK\_ID=PACKAGES.PACK\_ID and(CUSTOMERS.PACK\_ID in(22,27)) order by LAST\_NAME order by LAST\_NAME

2.a) select PACKAGES.PACK\_ID,PACKAGES.SPEED,PACKAGES.MONTHLY\_PAYMENT,SECTORS.SECTOR\_NAME

from PACKAGES inner join SECTORS on PACKAGES.SECTOR\_ID=SECTORS.SECTOR\_ID

2.a)select PACKAGES.PACK\_ID,PACKAGES.SPEED,PACKAGES.MONTHLY\_PAYMENT,SECTORS.SECTOR\_NAME

from PACKAGES inner join SECTORS on PACKAGES.SECTOR\_ID=SECTORS.SECTOR\_ID

b)select CUSTOMERS.FIRST\_NAME,CUSTOMERS.PACK\_ID,PACKAGES.SPEED,PACKAGES.MONTHLY\_PAYMENT,SECTORS.SECTOR\_NAME

from CUSTOMERS inner join PACKAGES on CUSTOMERS.PACK\_ID=PACKAGES.PACK\_ID

inner join SECTORS on PACKAGES.SECTOR\_ID=SECTORS.SECTOR\_ID

c)select CUSTOMERS.FIRST\_NAME,CUSTOMERS.PACK\_ID,PACKAGES.SPEED,PACKAGES.MONTHLY\_PAYMENT,SECTORS.SECTOR\_NAME

from CUSTOMERS inner join PACKAGES on CUSTOMERS.PACK\_ID=PACKAGES.PACK\_ID

inner join SECTORS on PACKAGES.SECTOR\_ID=SECTORS.SECTOR\_ID and (SECTOR\_NAME='Business')

3.select CUSTOMERS.FIRST\_NAME,CUSTOMERS.LAST\_NAME,CUSTOMERS.JOIN\_DATE,CUSTOMERS.PACK\_ID,PACKAGES.SPEED,

SECTORS.SECTOR\_NAME from CUSTOMERS inner join PACKAGES on CUSTOMERS.PACK\_ID=PACKAGES.PACK\_ID and extract(year from JOIN\_DATE)='2006'

inner join SECTORS on PACKAGES.SECTOR\_ID=SECTORS.SECTOR\_ID and (SECTORS.SECTOR\_NAME='Private')

Non Equi Join

4.select PACKAGES.PACK\_ID,PACKAGES.SPEED,PACKAGES.MONTHLY\_PAYMENT,PACK\_GRADES.GRADE\_NAME

from PACKAGES inner join PACK\_GRADES on PACKAGES.MONTHLY\_PAYMENT BETWEEN PACK\_GRADES.MIN\_PRICE and PACK\_GRADES.MAX\_PRICE

Outer Join

5.a)select CUSTOMERS.FIRST\_NAME,CUSTOMERS.LAST\_NAME,PACKAGES.SPEED,PACKAGES.MONTHLY\_PAYMENT from

CUSTOMERS inner join PACKAGES on CUSTOMERS.PACK\_ID=PACKAGES.PACK\_ID

b)select CUSTOMERS.FIRST\_NAME,CUSTOMERS.LAST\_NAME,PACKAGES.SPEED,PACKAGES.MONTHLY\_PAYMENT from

CUSTOMERS left outer join PACKAGES on CUSTOMERS.PACK\_ID=PACKAGES.PACK\_ID

c)select CUSTOMERS.FIRST\_NAME,CUSTOMERS.LAST\_NAME,PACKAGES.SPEED,PACKAGES.MONTHLY\_PAYMENT from

CUSTOMERS right outer join PACKAGES on CUSTOMERS.PACK\_ID=PACKAGES.PACK\_ID

d)select CUSTOMERS.FIRST\_NAME,CUSTOMERS.LAST\_NAME,PACKAGES.SPEED,PACKAGES.MONTHLY\_PAYMENT from

CUSTOMERS full outer join PACKAGES on CUSTOMERS.PACK\_ID=PACKAGES.PACK\_ID

Self-Join

6. select c1.LAST\_NAME,c1.FIRST\_NAME,c2.PACK\_ID from CUSTOMERS c1 join CUSTOMERS c2

on c1.PACK\_ID=c2.PACK\_ID and c2.FIRST\_NAME='Amado' and c2.LAST\_NAME='Taylor'

7.select c1.LAST\_NAME,c1.FIRST\_NAME,c1.MONTHLY\_DISCOUNT from CUSTOMERS c1 join CUSTOMERS c2 on c1.MONTHLY\_DISCOUNT<c2.MONTHLY\_DISCOUNT and c2.CUTOMER\_ID=103

8.select a1.PACK\_ID,a1.SPEED from PACKAGES a1 join PACKAGES a2 on a1.SPEED=a2.SPEED and a2.PACK\_ID=10