# **SQL WHERE Conditions**

**Exercises**

1. Display the first name, last name, and package number for all customers whose last name is “King” (*Customers* table).

**select first\_name,last\_name,pack\_id from customers where last\_name='King';**

1. Display all the data from *Packages* table for packages whose speed is “5Mbps”.

**select \* from packages where speed='5Mbps';**

1. Display the first name, last name, package number and monthly discount for all customers with monthly discount less than 30 (*Customers* table).

**select first\_name,last\_name,pack\_id,monthly\_discount from customers where monthly\_discount<30 ;**

1. Display all the data from *Customers* table for all customers who joined the company before January 1st, 2007.

**select join\_date from customers where join\_date<'01-JAN-07';**

1. Display the customer number, first name ,state, city and package number for all customers whose package number equals 21, 28, or 14 (*Customers* table).

**select customer\_id,first\_name,state,city,pack\_id from customers where pack\_id=21 or pack\_id=28 or pack\_id=14;**

1. Display the customer number, first name ,state, city and package number for all customers whose package number is not equal to 27, 10, or 3 (*Customers* table).

**select customer\_id,first\_name,state,city,pack\_id from customers where not pack\_id=27 and not pack\_id=10 and not pack\_id=3;**

1. Display the last name, main phone number, monthly discount and package number for all customers whose customer number equals 703, 314 or 560 (*Customers* table).

**select last\_name,main\_phone\_num,monthly\_discount,pack\_id from customers where customer\_id=703 or customer\_id=314 or customer\_id=560;**

1. Display the first name and monthly discount for all customers whose first name ends with an *e* (*Customers* table).

**select first\_name,monthly\_discount from customers where first\_name like '%e';**

1. Display the last name and package number for all customers where the second letter of their last name is *d* (*Customers* table).

**select last\_name,pack\_id from customers where substr(last\_name,2,1)='d';**

1. Display all the data from Customers table for all customers who have the letters:  *l, j* or *h* in their last name. Order the query in descending order by monthly discount (*Customers* table).

**select \* from customers where last\_name like '%l%' or last\_name like '%j%' or last\_name like '%h%' order by monthly\_discount desc;**

1. Display the first name, join date, monthly discount and package number for all customers who don’t have the letter *a* in their last name. Order the query in ascending order by package number (*Customers* table).

**select first\_name,join\_date,monthly\_discount,pack\_id from customers WHERE INSTR(LOWER(last\_name), 'a') = 0;**

1. Display all data from *Customers* table for all customers without a package (package number is null)

**select \* from customers where pack\_id is null;**

1. Display the first name concatenated with the last name (separated by space), and monthly discount for all customers whose monthly discount is not in the range between 20 and 30. Order the query in ascending order by the full name (*Customers* table).

**select first\_name||' '||last\_name as "Full\_Name", monthly\_discount from customers where monthly\_discount not BETWEEN 20 AND 30 order by "Full\_Name";**

1. Display the first name concatenated with the last name (separated by space), the main phone number concatenated with street (separated by space), and monthly discount for all customers whose monthly discount is in the range between 11 and 27. Name the column headings FULL\_NAME, CONTACTS, and DC respectively (*Customers* table).

**select first\_name||' '||last\_name as "Full\_Name", main\_phone\_num||' '||street as "CONTACTS", monthly\_discount as "DC" from customers where monthly\_discount BETWEEN 11 AND 27;**

1. Display all data from *Customers* table for :
   1. All customers who live in New York **and** whose monthly discount is in the range between 30 and 40 **or**
   2. All customers whose package number is not 8,19, or 30 **and** whose join date is before January 1st, 2007

**select \* from customers where city='New York' and monthly\_discount BETWEEN 30 and 40 or pack\_id not in(8,19,30) and join\_date<'01-JAN-2007';**

1. Display the last name, package number, and birthdate for all customers whose join date is in the range between *December 12th*, *2007* and *April 17th, 2010* (*Customers* table).

**select last\_name,pack\_id,birth\_date from customers where join\_date between '12-DEC-2007' AND '17-APR-2010';**

1. Display the package number, start date, and speed for all packages whose start date is before January 1st, 2007 (*Packages* table)

**select pack\_id,strt\_date,speed from packages where strt\_date<'01-JAN-2007';**

1. Display the package number, speed, and sector number for all packages whose sector number equals 1 (*Packages* table).

**select pack\_id,speed,sector\_id from packages where sector\_id=1;**

1. Display the package number, speed and sector number for all packages with internet speed of “5Mbps” or “10Mbps” (*Packages* table).

**select pack\_id,speed,sector\_id from packages where speed in('5Mbps','10Mbps');**

1. Display the last name and monthly discount for all customers live in Orlando (Customers table).

**select last\_name,monthly\_discount from customers where city='Orlando';**

1. Display the last name and package number for all customers whose package number equals 9 or 18. Preform the exercise once using IN operator, once using OR (*Customers* table).

**select last\_name,pack\_id from customers where pack\_id = 9 or pack\_id = 18;**

**select last\_name,pack\_id from customers where pack\_id in(9,18);**

1. Display the first name, main phone number and secondary phone number for all customers without a secondary phone number (secondary phone number is null).

**select first\_name,main\_phone\_num,secondary\_phone\_num from customers WHERE secondary\_phone\_num is null;**

1. Display the first name, monthly discount and package id for all customers without any monthly discount (monthly discount is null).

**select first\_name,monthly\_discount,pack\_id from customers WHERE monthly\_discount is null;**