**SQL Single-Row Functions\_V1**

--1

select customer\_id,LOWER(first\_name),UPPER(last\_name) from customers where customer\_id between 80 AND 150;

--2 a

select first\_name, last\_name, SUBSTR(LOWER(first\_name),1,1) || SUBSTR(LOWER(last\_name), 1, 3) || '@mymail.com' as email from customers;

--2 b

select last\_name, first\_name, SUBSTR(LOWER(first\_name),1,1) || SUBSTR(LOWER(last\_name), LENGTH(last\_name)-2, LENGTH(last\_name)) || '@mymail.com' as email from customers;

--3

select last\_name, LENGTH(last\_name) from customers where LENGTH(last\_name) > 9;

--4 a

select first\_name,last\_name,main\_phone\_num,REPLACE(main\_phone\_num,'515','$$$')as new\_phone\_num from customers;

--4 b

select first\_name,last\_name,main\_phone\_num,

REPLACE(SUBSTR(main\_phone\_num,1,3),'515','$$$')|| SUBSTR(main\_phone\_num,4,12) as new\_phone\_num

from customers

where substr(main\_phone\_num,1,3) = '515';

--5a

select first\_name from customers;

--5b

select monthly\_discount from customers;

--5c

select monthly\_discount + monthly\_discount\*0.197 from customers;

--5d

select ROUND(monthly\_discount + monthly\_discount\*0.197) from customers;

--5e

select FLOOR(monthly\_discount + monthly\_discount\*0.197) from customers;

--5f

select CEIL(monthly\_discount + monthly\_discount\*0.197) from customers;

--6

select first\_name,join\_date, join\_date-10,add\_months(join\_date,1), ROUND(sysdate - join\_date) from customers;

--7

select first\_name,birth\_date, FLOOR(TO\_NUMBER(MONTHS\_BETWEEN(SYSDATE,birth\_date))/12)as age from customers where ROUND(TO\_NUMBER(MONTHS\_BETWEEN(SYSDATE,birth\_date))/12) > 50;

--8

select \* from customers where EXTRACT(DAY FROM SYSDATE)||'-'||EXTRACT(MONTH FROM SYSDATE) = EXTRACT(DAY FROM birth\_date)||'-'||EXTRACT(MONTH FROM birth\_date);

--9

select first\_name,join\_date,FLOOR((sysdate-join\_date)/365.25) AS years from customers where FLOOR((sysdate-join\_date)/365.25) > 5;

--10

select first\_name||' '||join\_date, last\_name||' '||monthly\_discount from customers;

--11 a

select last\_name from customers where LOWER(SUBSTR(last\_name,1,1))= 'a' OR LOWER(SUBSTR(last\_name,1,1))= 'd' OR LOWER(SUBSTR(last\_name,1,1))= 'k';

--11 b

select UPPER(state)||' '|| customer\_id from customers where LOWER(SUBSTR(last\_name,1,1))= 'a' OR LOWER(SUBSTR(last\_name,1,1))= 'd' OR LOWER(SUBSTR(last\_name,1,1))= 'k';

--11 c

select join\_date||' '||birth\_date from customers where LOWER(SUBSTR(last\_name,1,1))= 'a' OR LOWER(SUBSTR(last\_name,1,1))= 'd' OR LOWER(SUBSTR(last\_name,1,1))= 'k';

--12 a

select first\_name,last\_name,birth\_date,NVL(main\_phone\_num,'N/A'),NVL(secondary\_phone\_num,'N/A') from customers where pack\_id = 27;

--12 b

select first\_name,last\_name,birth\_date,NVL(main\_phone\_num,'N/A'),NVL(secondary\_phone\_num,'N/A') from customers where EXTRACT(YEAR FROM birth\_date) = 1972;

--13 a,b,c,d

select first\_name, last\_name, monthly\_discount, CASE

when monthly\_discount Between 0 and 10 Then 'Level A'

when monthly\_discount Between 11 and 20 Then 'Level B'

when monthly\_discount Between 21 and 30 Then 'Level C'

When monthly\_discount is null Then 'level D'

When monthly\_discount > 30 Then 'level D'

End AS Discount\_grade From customers;