# **SQL Single-Row Functions\_V1(Answers)**

1 select customer\_id, lower(first\_name),upper(last\_name) from customers where customer\_id between 80 and 150;

2a select last\_name,first\_name,substr(lower(first\_name),1,1)||substr(lower(last\_name),1,3)||'@mymail.com' as email from customers;

2b 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;

4a select first\_name, last\_name, MAIN\_PHONE\_NUM ,replace(MAIN\_PHONE\_NUM,'515','$$$') as new\_phone\_num from customers;

4b 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\*.197 from customers;

5d select round(MONTHLY\_DISCOUNT+MONTHLY\_DISCOUNT\*.197) from customers;

5e select floor(MONTHLY\_DISCOUNT+MONTHLY\_DISCOUNT\*.197) from customers;

5f select ceil(MONTHLY\_DISCOUNT+MONTHLY\_DISCOUNT\*.197) from customers;

6 select first\_name, join\_date, join\_date-10 , add\_months(join\_date,1) ,floor(months\_between(sysdate,join\_date)) from customers;

7 select first\_name, BIRTH\_DATE ,floor(months\_between(sysdate,birth\_date)/12) as age from customers where floor(months\_between(sysdate,birth\_date)/12) >50;

8 select \* from Customers where substr(birth\_date,1,7) = substr(sysdate,1,7);

9 select first\_name, join\_date,floor((sysdate-join\_date)/365) as experiance from customers where floor((sysdate-join\_date)/365) >5;

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

11a select last\_name from customers where LOWER(last\_name) like 'd%' or LOWER(last\_name) like 'k%';

11b select upper(state)||' '||MAIN\_PHONE\_NUM from customers where LOWER(last\_name) like 'd%' or LOWER(last\_name) like 'k%';

11c select join\_date||' '||birth\_date from customers where LOWER(substr(last\_name,1,1))='d' or LOWER(substr(last\_name,1,1))='k';

12a 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 ;

12b 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;

13a 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 or monthly\_discount > 30 or then 'Level D'

END as discount\_grade

FROM customers;