Scalar Functions 1

1. SELECT customer\_id,LOWER(First\_Name),UPPER(Last\_Name) FROM Customers WHERE customer\_id BETWEEN 0 AND 150 ;

1. A SELECT First\_Name , Last\_Name , LEFT(First\_Name , 1) + LEFT(Last\_Name , 3) + '@mymail.com' FROM Customers ;

B SELECT First\_Name , Last\_Name ,LEFT(First\_Name , 1) + RIGHT(Last\_Name , 3) + '@mymail.com' FROM Customers ;

1. SELECT Last\_Name , LEN(Last\_Name) FROM Customers WHERE LEN(Last\_Name) > 9 ;

1. SELECT First\_Name , Last\_Name , PrimaryPhoneNumber , REPLACE(PrimaryPhoneNumber , '515' , '$$$') AS 'New\_Phone\_Number'

FROM Customers WHERE PrimaryPhoneNumber LIKE '%515%';

1. SELECT First\_Name , MonthlyDiscount, MonthlyDiscount \* 1.197 , ROUND(MonthlyDiscount \* 1.197 , 2), FLOOR(MonthlyDiscount \* 1.197 ),

CEILING(MonthlyDiscount \* 1.197 ) FROM Customers ;

1. SELECT First\_Name ,join\_date,DATEADD(dd, -10 , join\_date),DATEADD(mm , 1 , join\_date),DATEDIFF(dd , join\_date , getdate()) FROM Customers;
2. SELECT First\_Name , birth\_date , DATEDIFF(yy , birth\_date , getdate()) FROM Customers WHERE DATEDIFF(yy , birth\_date , getdate()) > 50 ;

1. SELECT First\_Name , birth\_date FROM Customers WHERE MONTH(birth\_date) = MONTH(getdate()) AND DAY(birth\_date) = DAY(getdate());

1. SELECT First\_Name , join\_date , DATEDIFF(yy , join\_date , getdate()) FROM Customers WHERE DATEDIFF(yy , join\_date , getdate()) = 5

AND MONTH(join\_date) = MONTH(getdate()) AND DAY(join\_date) = DAY(getdate())

10)SELECT First\_Name || ' / ' || CAST(DAY(join\_date) AS VARCHAR) ,

Last\_Name || ' / ' || CAST(MonthlyDiscount AS VARCHAR) FROM Customers;

11) SELECT Last\_Name,UPPER(state) || ' / ' || CONVERT(varchar , customer\_id , 102) , CONVERT(varchar , birth\_date , 103) || ' / '

|| CONVERT(varchar , join\_date , 103) FROM Customers WHERE SUBSTRING(Last\_Name , 1 , 1) IN ('D' , 'K');

12) A) SELECT First\_Name ,Last\_Name ,ISNULL(PrimaryPhoneNumber , 'N / A'),ISNULL(SecondaryPhoneNumber, 'N / A'), ISNULL(fax, 'N / A')

FROM Customers WHERE pack\_id = 27

B) SELECT First\_Name , Last\_Name , birth\_date , ISNULL(PrimaryPhoneNumber , 'N / A'), ISNULL(SecondaryPhoneNumber, 'N / A'), ISNULL(fax, 'N / A')

FROM Customers WHERE pack\_id = 27 AND year(birth\_date) = 1972;

13) SELECT First\_Name , Last\_Name , MonthlyDiscount ,

CASE WHEN MonthlyDiscount BETWEEN 0 AND 10 THEN 'A'

WHEN MonthlyDiscount BETWEEN 11 AND 20 THEN 'B'

WHEN MonthlyDiscount BETWEEN 21 AND 30 THEN 'C'

ELSE 'D'

END

AS 'Grades' FROM Customers ;