Task descriptions:  
  
https://softuni.bg/trainings/resources/officedocument/10270/built-in-functions-exercise-problem-descriptions-databases-basics-sqlserver-september-2016  
  
01.  
SELECT e.FirstName, e.LastName FROM Employees AS e  
WHERE LEFT(e.FirstName, 2) = 'SA'  
  
02.  
SELECT e.FirstName, e.LastName FROM Employees AS e  
WHERE e.LastName LIKE '%ei%'  
  
03.  
SELECT e.FirstName FROM Employees AS e  
WHERE (e.DepartmentID = 3 OR e.DepartmentID = 10)  
AND (Year(e.HireDate) BETWEEN 1995 AND 2005)  
  
04.  
SELECT e.FirstName, e.LastName FROM Employees AS e  
WHERE e.JobTitle NOT LIKE '%engineer%'  
  
05.  
SELECT t.Name FROM Towns AS t  
WHERE LEN(t.Name) BETWEEN 5 AND 6  
ORDER BY T.Name  
  
06.  
SELECT t.TownID, t.Name FROM Towns AS t  
WHERE LEFT(t.Name, 1) LIKE '[MKBE]'  
ORDER BY t.Name ASC  
  
07.  
SELECT t.TownID, t.Name FROM Towns AS t  
WHERE LEFT(t.Name, 1) LIKE '[^RDB]'  
ORDER BY t.Name ASC  
  
08.  
CREATE VIEW V\_EmployeesHiredAfter2000 AS  
SELECT FirstName, LastName FROM Employees as e  
WHERE Year(e.HireDate) > 2000  
  
09.  
SELECT FirstName, LastName FROM Employees as e  
WHERE LEN(e.LastName) = 5  
  
10.  
SELECT c.CountryName, c.IsoCode FROM Countries AS c  
WHERE c.CountryName LIKE '%a%a%a%'  
ORDER BY c.IsoCode  
  
11.  
SELECT p.PeakName, r.RiverName, LOWER(p.PeakName + RIGHT(r.RiverName, LEN(r.RiverName)-1)) AS [Mix] FROM Peaks as p   
JOIN Rivers as r ON LEFT(r.RiverName, 1) = RIGHT(p.PeakName,1)  
ORDER BY Mix  
  
12.  
SELECT TOP 50 g.Name AS 'Game', FORMAT(Start, 'yyyy-MM-dd') AS 'Start' FROM Games AS g  
WHERE Year(g.Start) BETWEEN 2011 AND 2012  
ORDER BY g.Start, g.Name  
  
13.  
SELECT u.UserName as 'Username', RIGHT(u.Email, LEN(u.Email) - CHARINDEX('@', u.Email, 1)) AS 'Email Provider' FROM Users as u  
ORDER BY [Email Provider], u.Username  
  
14.  
SELECT u.Username, u.IpAddress FROM Users as u  
WHERE u.IpAddress LIKE '\_\_\_.1\_%.\_%.\_\_\_'  
ORDER BY u.Username ASC  
  
15.  
SELECT G.Name,  
CASE

WHEN (DATEPART(HOUR, G.Start)) BETWEEN 0 AND 11 THEN 'Morning'

WHEN (DATEPART(HOUR, G.Start)) BETWEEN 12 AND 17 THEN 'Afternoon'

WHEN (DATEPART(HOUR, G.Start)) BETWEEN 18 AND 23 THEN 'Evening'

END AS [Part of Day],

CASE

WHEN G.Duration <= 3 THEN 'Extra Short'

WHEN G.Duration BETWEEN 4 AND 6 THEN 'Short'

WHEN G.Duration IS NULL THEN 'Extra Long'

ELSE 'Long'

END AS [Duration]

FROM Games AS G

ORDER BY G.Name ASC,

[Duration],

[Part of Day]  
  
16.  
SELECT o.ProductName, o.OrderDate, DATEADD(DAY, 3, o.OrderDate) AS 'Pay Due', DATEADD(MONTH, 1, o.OrderDate) AS 'Deliver Due' FROM Orders AS o