**Lab 1: Using LEN() to Find String Length**

**Task:**

Write a query to find the length of the string 'Hello, SQL Server!'.

**Solution:**

SELECT LEN('Hello, SQL Server!') AS StringLength;

**Lab 2: Using UPPER() and LOWER()**

**Task:**

Convert the string 'Sql Server String Functions' to both uppercase and lowercase.

**Solution:**

SELECT

UPPER('Sql Server String Functions') AS UpperCaseString,

LOWER('Sql Server String Functions') AS LowerCaseString;

**Lab 3: Using LTRIM() and RTRIM()**

**Task:**

Remove leading and trailing spaces from the string ' SQL Server '.

**Solution:**

SELECT

LTRIM(RTRIM(' SQL Server ')) AS TrimmedString;

**Lab 4: Using SUBSTRING()**

**Task:**

Extract the first 5 characters from 'SQLServerFunctions'.

**Solution:**

SELECT SUBSTRING('SQLServerFunctions', 1, 5) AS ExtractedString;

**Lab 5: Using CHARINDEX()**

**Task:**

Find the position of 'Server' in the string 'SQL Server Functions'.

**Solution:**

SELECT CHARINDEX('Server', 'SQL Server Functions') AS Position;

**Lab 6: Using REPLACE()**

**Task:**

Replace 'SQL' with 'T-SQL' in the string 'Learn SQL Functions'.

**Solution:**

SELECT REPLACE('Learn SQL Functions', 'SQL', 'T-SQL') AS ReplacedString;

**Lab 7: Using STUFF()**

**Task:**

Replace 'Server' with 'Database' in 'SQL Server Functions' starting from position 5 and replacing 6 characters.

**Solution:**

SELECT STUFF('SQL Server Functions', 5, 6, 'Database') AS ModifiedString;

**Lab 8: Using LEFT() and RIGHT()**

**Task:**

Get the first 4 and last 6 characters from 'SQLServerDatabase'.

**Solution:**

SELECT

LEFT('SQLServerDatabase', 4) AS LeftPart,

RIGHT('SQLServerDatabase', 6) AS RightPart;

**Lab 9: Using REVERSE()**

**Task:**

Reverse the string 'SQLServer'.

**Solution:**

SELECT REVERSE('SQLServer') AS ReversedString;

**Lab 10: Using FORMAT()**

**Task:**

Format the number 1234567 with comma separators.

**Solution:**

SELECT FORMAT(1234567, 'N0') AS FormattedNumber;