String Functions and Nested Functions Problems

1) Return the first eight characters of the string "This is a basic string".
2) Return the last six characters of the string "This is another string"
3) Find the index (integer location) of the first instance of the letter "e" in each product name from the Production.Product table.
4) Find the substring of the territory name from Sales.SalesTerritory starting at the third character and lasting four characters in length.
5) Starting with the string "This is a slightly longer string", find the last eight characters and then, from that result, find the first four characters. In other words, find the first four characters of the last eight characters from the string "This is a slightly longer string". (Hint: use a nested function for this query)
6) Find the string that results from finding all characters to left of and including the first "e" in each FirstName from Person.Person. Only return those results where the resulting string is not blank. (Hint: this will be challenging. Use a nested function in the SELECT statement and then that same nested function in the WHERE clause)

String Functions and Nested Functions Lab Problem Answers

Question 1:
```sql
SELECT LEFT('This is a basic string', 8)
```

Question 2:
```sql
SELECT RIGHT('This is another string', 6)
```

Question 3:
```sql
SELECT CHARINDEX('e', Name)
FROM Production.Product
```

Question 4:
```sql
SELECT SUBSTRING(Name, 3, 4)
FROM Sales.SalesTerritory
```

Question 5:
```sql
SELECT LEFT(RIGHT('This is a slightly longer string', 8), 4)
```

Question 6:
```sql
SELECT
      LEFT(FirstName, CHARINDEX('e', FirstName, 0))
FROM Person.Person
WHERE LEFT(FirstName, CHARINDEX('e', FirstName, 0)) <> ''
```