1. Найдите людей и их номера телефонов, код города которых начинается на 4 и заканчивается на 5.

( таблицы Person.PersonPhone, Person.Person)

SELECT t1.[FirstName], t1.[LastName], t2.[PhoneNumber]

FROM [Person].[Person] t1

JOIN (SELECT [BusinessEntityID], [PhoneNumber] FROM [Person].[PersonPhone]) t2

ON t1.[BusinessEntityID]=t2.[BusinessEntityID]

WHERE t2.[PhoneNumber] ='4\_5%'

2. Отнести каждого человека из [HumanResources].[Employee] в свою возрастную категорию:

Adolescence: 17-20

Adults: 21-59

Elderly: 60-75

Senile: 76-90

SELECT BusinessEntityID, (DATEADD(BirthDate, YEAR, GETDATE())) as age,

CASE

WHEN age > 17 AND age <= 20 THEN 'Adolescence'

WHEN age > 21 AND age <= 59 THEN 'Adults'

WHEN age > 60 AND age <= 75 THEN 'Elderly'

WHEN age > 76 AND age <= 90 THEN 'Senile'

END AS age\_category

FROM [HumanResources].[Employee]

3. Вывести самый дорогой продукт для каждого цвета из [Production].[Product]

SELECT Name, Color, StandardCost

FROM

(SELECT Name, Color, StandardCost, MAX(StandardCost) OVER(ORDER BY Color) AS max\_cost

FROM [Production].[Product]) t

WHERE StandardCost=max\_cost