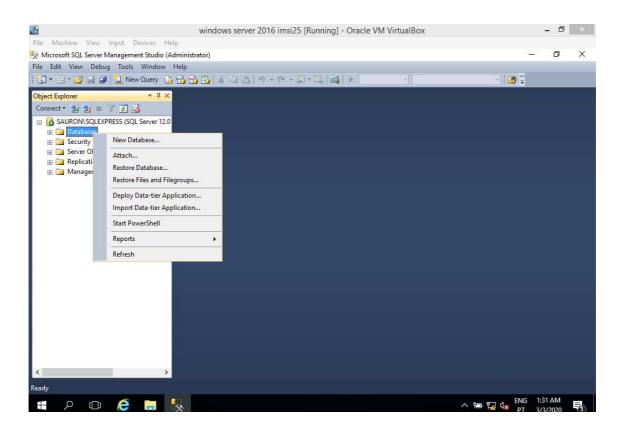


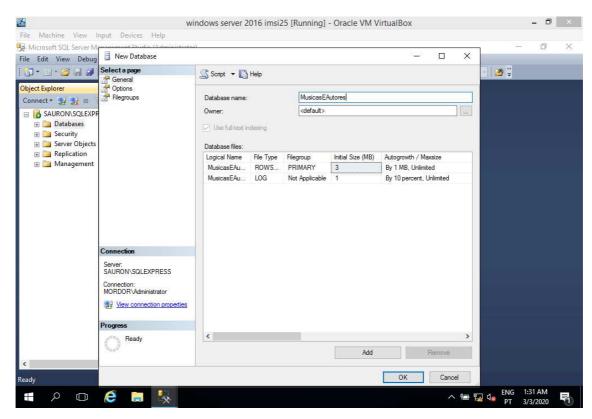
# Tipos de variáveis

| char                   | <u>UTF-8</u> character encoding                        | String de tamanho fixo.                       |
|------------------------|--|---|
|                        |  | n: bytes                                      |
| varchar                | <u>UTF-8</u> character encoding                        | String de tamanho variável.                   |
|                        |  | n: bytes                                      |
| nchar                  | <u>UTF-16</u> character encoding                       | String de tamanho fixo. n: pares de bytes     |
| nvarchar               | <u>UTF-16</u> character encoding                       | String de tamanho variável. n: pares de bytes |
| bigint                 | -2^63 (-9,223,372,036,854,775,808) to 2^63-1           | 8 Bytes                                       |
|                        | (9,223,372,036,854,775,807)                            |   |
| int                    | -2^31 (-2,147,483,648) to 2^31-1 (2,147,483,647)       | 4 Bytes                                       |
| smallint               | -2^15 (-32,768) to 2^15-1 (32,767)                     | 2 Bytes                                       |
| tinyint                | 0 to 255   | 1 Byte  |
| decimal[ (p[ ,s] )]    | p: máximo total de dígitos, s: total de dígitos à      |   |
| ou numeric[ (p[ ,s] )] | direita da vírgula                                     |   |
| float [ (n) ]          | - 1.79E+308 to -2.23E-308, 0 e 2.23E-308 to            | Depende de <i>n</i>                           |
|                        | 1.79E+308  |   |
|                        | se 1<=n<=24, n = 24                                    |   |
|                        | Se 25<=n<=53, n = 53                                   |   |
| Real                   | - 3.40E + 38 to -1.18E - 38, 0 and 1.18E - 38 to 3.40E | 4 Bytes                                       |
| (=float(53))           | + 38   |   |

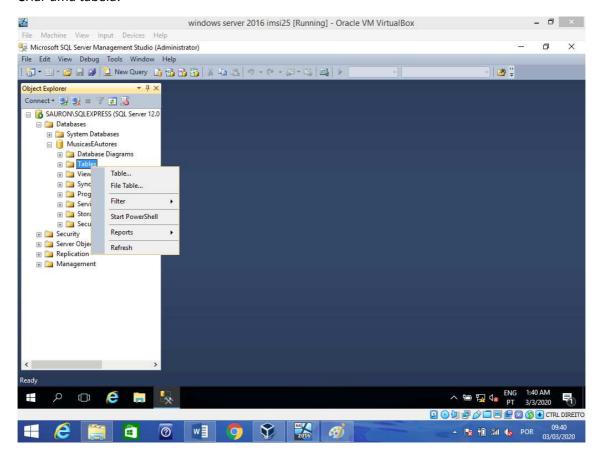
## Criar base de dados



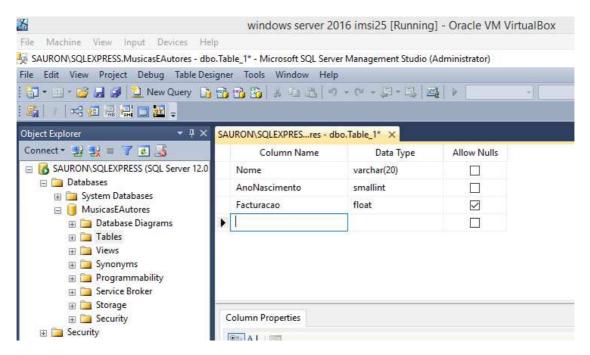




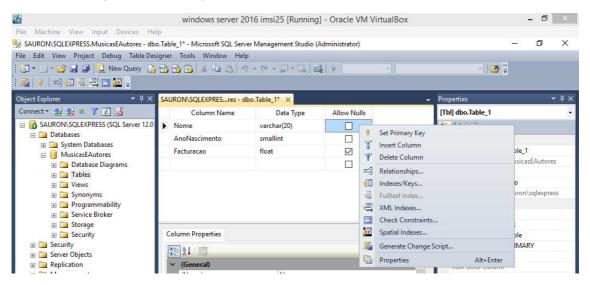
### Criar uma tabela:



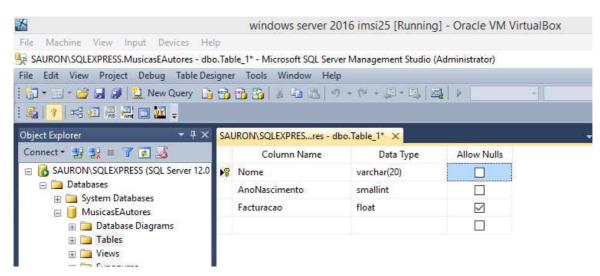




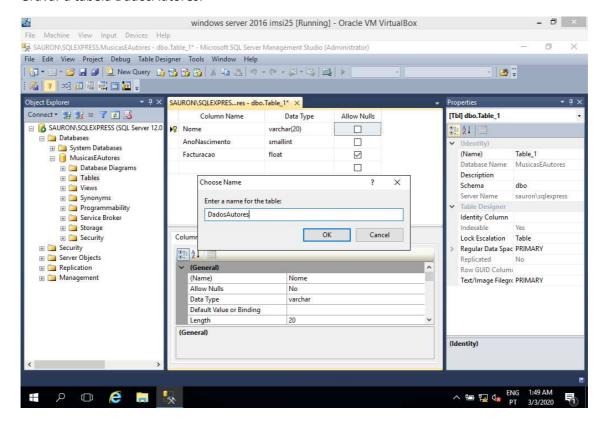
#### Definir a chave primária no campo Nome:





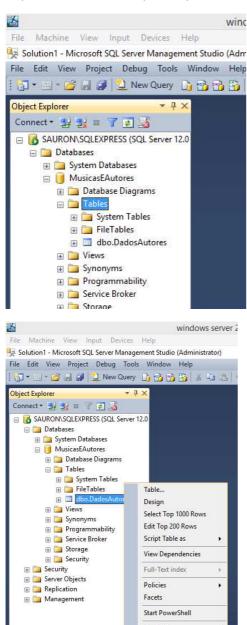


#### Gravar a tabela DadosAutores:

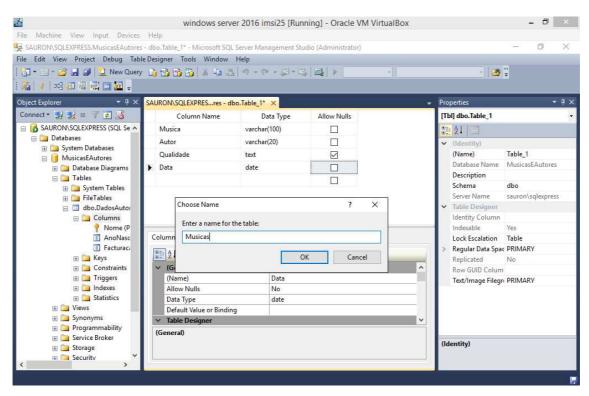


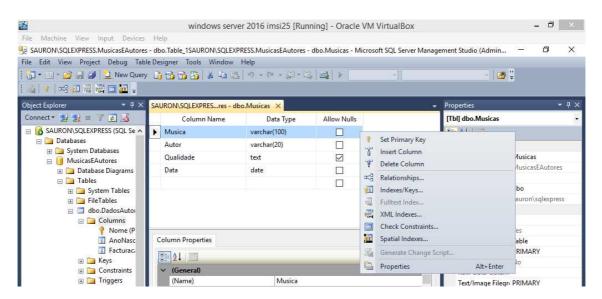


## Repetimos os mesmos passos para a tabela Musicas:





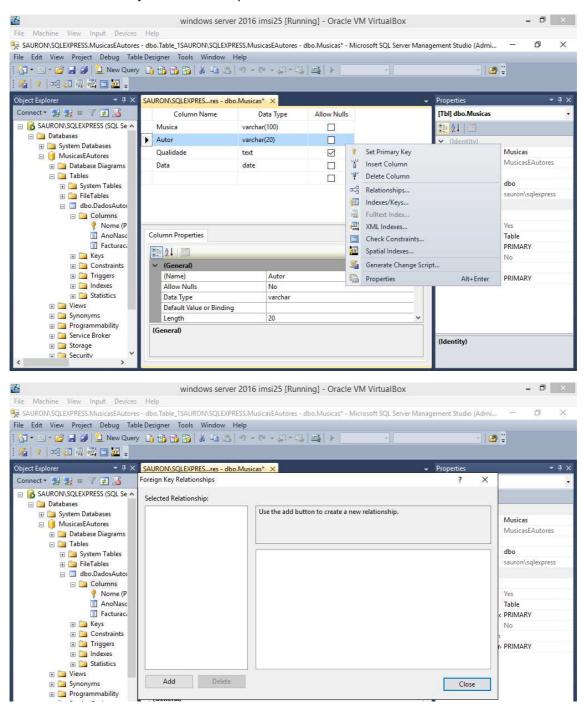




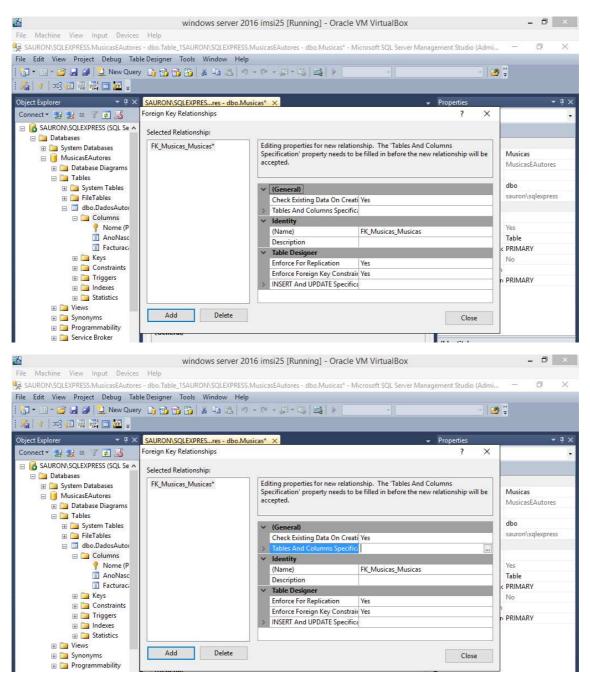
Definir Musica como chave primária



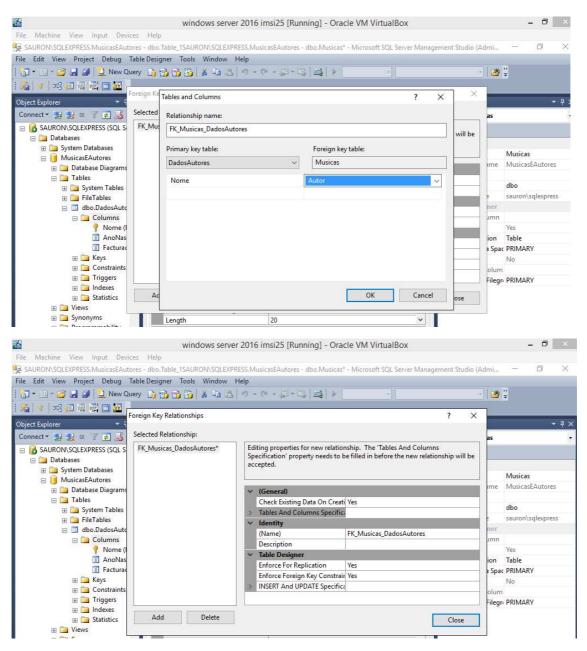
Vamos criar uma relação entre os campos Autor de Musicas e Nome de DadosAutores:



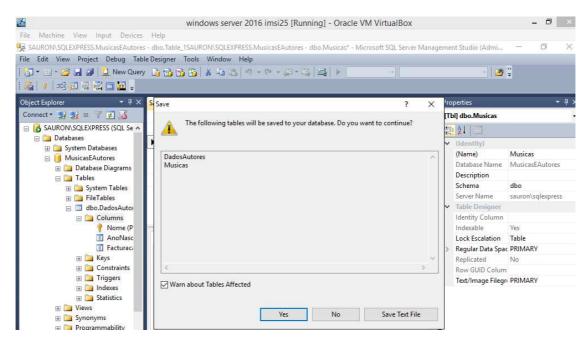




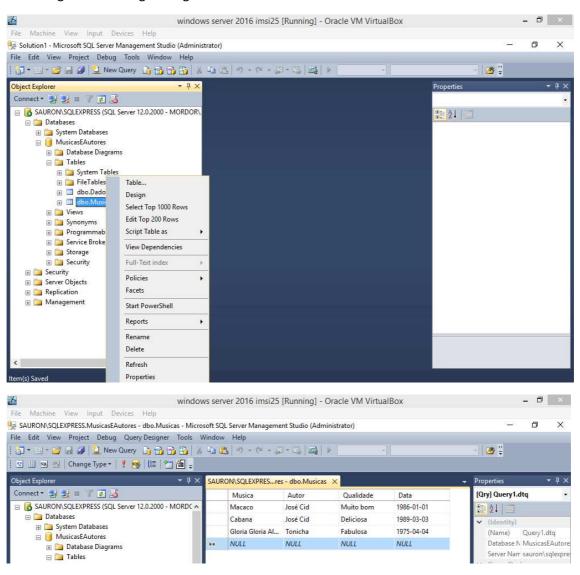




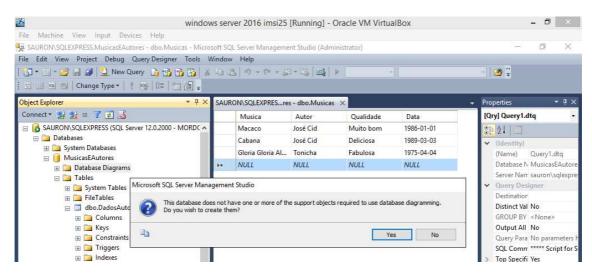




## Vamos agora inserir alguns registos:







## Podemos através da opção de diagramas ver a relação entre tabelas:

