

Assignment Day1 –SQL: Comprehensive practice

Write queries for following scenarios

Using AdventureWorks Database

1. Write a query that retrieves the columns ProductID, Name, Color and ListPrice from the Production.Product table, with no filter.
2. Write a query that retrieves the columns ProductID, Name, Color and ListPrice from the Production.Product table, excludes the rows that ListPrice is 0.
3. Write a query that retrieves the columns ProductID, Name, Color and ListPrice from the Production.Product table, the rows that are NULL for the Color column.
4. Write a query that retrieves the columns ProductID, Name, Color and ListPrice from the Production.Product table, the rows that are not NULL for the Color column.
5. Write a query that retrieves the columns ProductID, Name, Color and ListPrice from the Production.Product table, the rows that *are not* NULL for the column Color, and the column ListPrice has a value greater than zero.
6. Write a query that concatenates the columns Name and Color from the Production.Product table by excluding the rows that are null for color.
7. Write a query that generates the following result set from Production.Product:

Name And Color

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NAME: LL Crankarm -- COLOR: Black
NAME: ML Crankarm -- COLOR: Black
NAME: HL Crankarm -- COLOR: Black
NAME: Chainring Bolts -- COLOR: Silver
NAME: Chainring Nut -- COLOR: Silver
NAME: Chainring -- COLOR: Black
.....
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8. Write a query to retrieve the to the columns ProductID and Name from the Production.Product table filtered by ProductID from 400 to 500
9. Write a query to retrieve the to the columns ProductID, Name and color from the Production.Product table restricted to the colors black and blue
10. Write a query to get a result set on products that begins with the letter S.
11. Write a query that retrieves the columns Name and ListPrice from the Production.Product table. Your result set should look something like the following. Order the result set by the Name column.

Name	ListPrice
Seat Lug	0,00
Seat Post	0,00
Seat Stays	0,00
Seat Tube	0,00
Short-Sleeve Classic Jersey, L	53,99

Short-Sleeve Classic Jersey, M

53,99

12. Write a query that retrieves the columns Name and ListPrice from the Production.Product table. Your result set should look something like the following. Order the result set by the Name column. The products name should start with either 'A' or 'S'

Name	ListPrice

Adjustable Race	0,00
All-Purpose Bike Stand	159,00
AWC Logo Cap	8,99
Seat Lug	0,00
Seat Post	0,00
.....	

13. Write a query so you retrieve rows that have a Name that begins with the letters SPO, but is then *not* followed by the letter K. After this zero or more letters can exists. Order the result set by the *Name* column.
14. Write a query that retrieves *unique* colors from the table Production.Product. Order the results in descending manner
15. Write a query that retrieves the unique combination of columns ProductSubcategoryID and Color from the Production.Product table. Format and sort so the result set accordingly to the following. We do not want any rows that are NULL.in any of the two columns in the result.

GOOD LUCK.