**LAB Task-1**

**Data warehouses**

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**Task – 1:**

First task we perform was installation and configuration of the environment.

From the SQL server management studio we connected the data base engine and then to make a connection between databases the required databases the action need to be perform is AdventureWorks2014, from this data base to understand in a better way the instructed query was to select the two columns colors and pricelist to understand the database architechture and visualize it. For visualization we selected PowerBI and for PivotTable we use excel PivotTable.

Below are the some results you can see from pivot tables extracted from excel sheets.

|  |  |
| --- | --- |
| **Row Labels** | **Sum of ListPrice** |
| (blank) | 4 182,32 zł |
| Black | 67 436,26 zł |
| Blue | 24 015,66 zł |
| Grey | 125,00 zł |
| Multi | 478,92 zł |
| Red | 53 274,10 zł |
| Silver | 36 563,13 zł |
| Silver/Black | 448,13 zł |
| White | 36,98 zł |
| Yellow | 34 527,29 zł |
| **Grand Total** | **221 087,79 zł** |

As in the table you can see the prices over by the colors. And below is the grand total of all prices of bicycle vs colors.

Below is the Detail chart extracted from pivot tables charts of price over color on vertical axis we have prices and on horizontal axis we have colors from our analysis we can say that **black** color by