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# Data Analysis with Power BI

# Homework

**WEEK 4**



HOMEWORK



**You are asked to provide answers for the following questions:**

1. Import “Homework data” to Power Bl without transforming and look at the format of the columns.
2. Create a Date table by using the Calendarauto function– to display columns of the year, quarter, month name, day of the week, and month number.
3. Make a relation between the order date and the date we just created.
4. Using Calculate and Userelationship functions together, find the total sales amount according to the approval date (Create a relation between the approval date column and newly created Date table).
5. Create a measure for the total numbers of orders. Moreover, create a measure for the total amount of order (show on the card).
6. Create a new measure that will determine the difference in the number of orders between the Months and rename it “Comparison of the months”. (Note: we work with two functions to get results: first, Previousmonth then we use divide function).
7. Using the “Line and stacked column chart” visual, use the Newly created “Comparison of the months” and Date column. Turn on the labels and make the X-axis visible. Make the visual more understandable.
8. Add a slicer. Enter the year column in the Date table to the slicer. Thus, we can observe the change between the months of the years.
9. Using the Averagex function, find the total amount of the orders with more than 500 and Payment status is “Paid” (rename it “big sales”).
10. Add the Customer name in the Axis section and add the big sales measure which we created using the Clustered bar chart in the value section. Then go to the filter and select the top 10 customers (determine the 10 customers with the highest order amount). Make the color of those who have a large amount of order dark, and the color of those who have a small amount of order light (hint: data color fx () will help you).

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