### Power BI Assignment

### Day-1

### What are the various versions of Power BI?

### Answer: - Power BI Desktop - Is basically the version of Power BI that you install on to your local system / computer to access the basic features of Power BI and act as a companion to the main, cloud based application.

### Power BI Pro - is the full version of Power BI, which means it comes complete with the ability to use Power BI for both building dashboards, reports and unlimited viewing, sharing and consumption of your created reports (and reports shared by others) which is not possible with Power BI Desktop.

### Power BI Premium - license is not a per-user license like a Free or Pro Licence. Instead, Power BI Premium license provides a dedicated unit of capacity for all users in the organisation.

### Power BI Mobile - Power BI Mobile is a mobile application available for iOS and Android devices. It allows users to access and view Power BI reports and dashboards on their mobile devices

### Power BI Report Server - Power BI Report Server is an on-premises reporting solution that allows organizations to host Power BI reports on their own servers. It provides similar functionality to the Power BI service but within the organization's infrastructure, offering more control over data and security. Day-2 - Done

### Drag the Country from the region\_data then in the report view and mention the name of the visual in the text box and add the labels in the visual.

### Day-3 - Done

1. Create a basic map visual on the report page using the Global superstore and Use the region column in the slicer visual to get interacted with the map visual.

### Day-4 – Done

### Create a basic scatter plot using sales and Profit information and represent it (refer to region column), which helps identify the highest green color and lowest sales red color.

### Day-5 – Done - diff

### Create a line and clustered chart and compare this year vs last year's sales along with growth % ?

### Day-6 - Done

### Import data from [2023 Worldwide Box Office - Box Office Mojo](https://www.boxofficemojo.com/year/world/?ref_=bo_nb_yl_tab) and add the past 3 years of data in the Power Query editor, create a master table of the past 3 years of data, and load only master data in the power bi query editor or power bi desktop?

### Delete unwanted columns, replace, or remove the error value in the master table and format the data and represent the column quality.

### Day-7 – Done - diff

### Add all 3 tables from the model and create a table to show the detailed information for each day wise the sum of order quantity, shipped quantity, and delivered quantity. Kindly use a card visual to show the difference between the total order quantity and the shipped quantity, the 2nd difference between total order quantity and delivered quantity, using quick measure.

1. If there is a difficulty with tables having many-to-many relationships. Create an intermediate table (also known as a bridge table) to handle many-to-many relationship issues.

### Day-8 - Done

1. Refer to question no. 6! After importing all the 3 years of the data, kindly add the custom column of specific year data for e.g. (if you have imported the data for the year 2023, please create a new column called year and add 2023 for each row).

### Day-9 - Done

### Refer to Global superstore data.

1. Create a map visual and use the drill down to show detailed information for each country by state. (For detailed information you can use the region slicer).

### Day-10 - Done

Refer to Financials sample data.

1. Create a clustered column chart referring to the order date and sales, then apply bookmarks based on date year, quarter, and month.  
   Chart, bar chart

   Description automatically generated
2. Create a country overview page and add another page that contains detailed information about the country with drill through options.
3. Add the reset image in which all the filters should get removed and the report page should be default in the country information page.

### Day-11 - Done

1. Create a new summarize table with selected columns (region, country, sum of sales) from the global superstore and filter the region based on the given conditions, Central Asia, North, South & East.

### Day-12 - Done

1. Create a week column based on the order date from the global superstore data.  
   e.g. required output “Week-5”

### Day-13 - Done

1. Create a table visual to show the current month's sales vs last month's sales.

### Day-14 - Done

1. Insert the scroller custom visual and add it to the report page referring to the country and profit column.

### Day-15 – Done (during online class)

1. Create a shared workspace and add the organization members to the workspace then publish the report.