**BI Lab Assignment**

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| **Sr. No.** | **Assignment Title** | **Remark** |
| 1 | Create Authoring Reports using Power BI |  |
| 2 | Create List, Crosstab and Chart Reports using Power BI |  |
| 3 | Create Grouping and Summarizing data using PowerBI |  |
| 4 | Create Filter with single level and filter on multi pages using PowerBI. |  |
| 5 | Use sort by column, sort on visual graph, sort multiple column using Power BI. |  |
| 6 | Use Calculate function with ALL, ALL Except. |  |
| 7 | Create Matrix. |  |
| 8 | Create a simple report in report Designer for dataset of your choice with appropriate column heading, font and color, group heading , Apply row banding. |  |
| 9 | Create two tables (1: EMP ID, Name, Average salary per year, 2: EMP ID, Address, Sales per year) and join crosstab by Emp ID |  |
| 10 | Create a simple report in Pentaho report Designer for dataset of your choice with appropriate column heading, font and color. Apply row banding.  Add Page Header & Page Footer. Upload single .pdf file containing formatted report. |  |
| 11 | Create a simple report in Pentaho report Designer for dataset of your choice with appropriate column heading, font and color, group heading , group footer. Apply row banding.  Add Page Header & Page Footer. Use grouping on a relevant attribute and calculate aggregate function. |  |
| 12 | Create a cross tab report with PRD by joining two tables (20 Records)  Salesman : ( ID , Salesmanname, Branch\_code )  Sales: ( Emp\_ID, Branch\_code , Branchname, Sales, Year )  Report should display total sales made by each salesman year wise   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | 2018 | **…..** | 2021 |  | | Ravi S |  |  |  | 30000 | | Ashwin |  |  |  | 45000 | | … |  |  |  | 70000 |   = 145000 = 200000 |  |
| 13 | Create a cross tab report with PRD by joining two tables (20 Records)  Salesman : ( ID , Salesmanname, Branch\_code )  Sales: ( Emp\_ID, Branch\_code , Branchname, Sales, Year )   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | 2018 | **…..** | 2021 |  | | Ravi S |  |  |  | 30000 | | Ashwin |  |  |  | 45000 | | … |  |  |  | 70000 |   = 145000 = 200000  Display total sales per year by all salesmen and total sales made by salesman.  Include appropriate Report header, Page header, Group footer. |  |
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