Lesson 1. Theoretical questions

1. What is power Bi, and what are its three main components /

Answer: power Bi is a business analytics tool by Microsoft that enables users to visualize and share insights from their data its three main components are:

Power Bi Desktop: for creating reports on a local machine.

Power Bi Service: for publishing and sharing reports online

Power Bi mobile: for viewing reports on mobile devices

1. Name two business use cases for power bi dashboards

Answer: 1. sales performance analysis for different regions or products.

2.Financial reporting and tracking KPIs across department.

1. How do you download and install power BI desktop

Answer:

Power bi desktop can be downloaded from the official Microsoft power bi website or through Microsoft store. After downloading, follow the setup instructions to install it.

1. What is the difference between Power Bi desktop and Power Bi Service

Answer: power bi desktop is used for creating and designing reports offline

Power bi service is an online platform for sharing, collaborating , and managing reports the in clouds

1. What file extension does a Power BI project use

Answer : pbix is the standart file extention used for Power Bi desktop report files.

1. Explain the role of power query in power bi.

Answer: power query is a tool within power bi used for connecting to data sources , transforming and cleaning the data before its loaded into the data model for reporting

1. Why would business prefer power bi over excel for reporting

Answer: power bi provides intesractive and dynamic visualizations.

It allows automated data refresh

It integrates with multiple data sources

It handles large data volumes better than excel.

1. Describe one limitation of the free version of power bi

The free version of power bi does not support report sharing and collaboration through power I service unless you have a pro licence

1. What is the published report in power bi service

Answer: a published report is a report crated in power bi desktop and then uploaded to power bi service so it can be shared with other users online

1. How does power Bi mobile enhance accessibility

Answer: power Bi mobile allows users to access , view, and interact with reports and dashboards on smartphones and tablests anytime, anywhere

1. Compare power bi with tableau-pros and cons

Answer: power bi Pros:

-Cheaper pricing

- strong integration with Microsoft tools like excel and azure