Q: How does Power BI handle large datasets in the Online Service, and what is the role of Premium Capacity in this?

A: Power BI Online uses in-memory storage and query optimizations. Premium Capacity provides dedicated resources, higher dataset size limits, faster refresh rates, and advanced AI features.

Q: What are the differences between Import mode, DirectQuery, and Live Connection in Power BI Service?

A: Import: Data is cached in Power BI, best performance but scheduled refresh needed. DirectQuery: Queries source in real-time, slower but always up-to-date. Live Connection: Connects directly to Analysis Services or Power BI datasets without storing data.

Q: Explain deployment pipelines in Power BI Online. What stages do they include?

A: Deployment pipelines help manage content lifecycle across Development, Test, and Production stages.

Q: How can Power BI Service integrate with Microsoft Teams or SharePoint for collaboration?

A: Reports and dashboards can be embedded directly into Teams channels or SharePoint Online pages for seamless collaboration.

Q: What is the XMLA endpoint in Premium and how does it benefit developers or enterprise BI teams?

A: XMLA endpoint allows external tools (like SSMS, Excel, or custom scripts) to connect to datasets for advanced querying, management, and automation.

Q: Describe how usage metrics and audit logs work in Power BI Service.

A: Usage metrics track report/dataset interactions. Audit logs (via Microsoft 365) provide detailed activity history for compliance and monitoring.

Q: How do you manage workspace access and permissions for different users?

A: By assigning roles: Viewer, Contributor, Member, or Admin, controlling user access to reports, datasets, and dashboards.

Q: How can data governance be enforced in Power BI Service?

A: Through sensitivity labels, dataset certification, Row-Level Security (RLS), workspace permissions, and monitoring usage with audit logs.

Q: What are the limitations of Row-Level Security when using DirectQuery or Live Connection?

A: Performance may degrade, and RLS depends on the source system's security. Some data sources may not fully support RLS.

Q: Explain how you can refresh a dataset via Power Automate or REST API.

A: Using Power Automate, you can trigger dataset refresh workflows. With REST API, refreshes can be automated programmatically for better scheduling and integration.