

Lesson - 19 Homework

Question 1: What is the difference between Power BI Desktop and Power BI Online Service?

Answer: Power BI Desktop is for building reports. Power BI Service (online) is for sharing and viewing them.

Question 2: How do you publish a Power BI report from Desktop to the Online Service?

Just click the "Publish" button in the Home ribbon. You'll need to pick the right workspace in the service.

Question 3: What is a workspace in Power BI? What are the types of workspaces available?

A workspace is a container for your reports, dashboards, and datasets in Power BI.

The main types are:

My Workspace: Personal space for your own work.

Workspaces: Collaborative spaces for teams. These can be the new "managed" workspaces or the older "classic" ones.

Question 4: What is the difference between a workspace and an app in Power BI?

A workspace is a collaboration area for you and your team to build content.

An app is a packaged and polished set of that content that you publish to a wider audience for them to view.

Question 5: Explain the different Power BI license types and their limitations.

Sure. The two main licenses are:

Power BI Pro: \$10/user/month. Needed to share content and collaborate with others. Everyone who views your shared content needs a Pro license.

Power BI Premium (Per User): \$20/user/month. For more advanced features, bigger data sizes, and better performance.

Power BI Premium (Per Capacity): Starts at ~\$5k/month. You pay for dedicated cloud resources, and then you can publish content to anyone in your organization, even if they only have a free license.

Question 6: How can you share a report with someone who doesn't have a Pro license?

You need Power BI Premium.

Publish the report to a workspace that has a Premium capacity assigned to it. Then you can share it with anyone in your organization, and they can view it with a free license.

Question 7: What is a semantic model (dataset) in Power BI, and where is it stored in the service?

A semantic model is the data model you build—it includes the tables, relationships, measures, and DAX calculations.

In the service, it's stored **inside a workspace**, listed on the **Datasets** tab. Reports connect to it to get the data and logic

Question 8: How does Scheduled Refresh work in Power BI Online Service?

You set a refresh schedule in the online service for your dataset. It automatically connects to your data source (like a SQL database) at that time, pulls the latest data, and updates your reports. You need to set up a gateway for on-premises data sources.

Question 9: What is the difference between a dataset and a dataflow in Power BI?

A dataset is the final, structured model used by reports.

A dataflow is for reusable data preparation. It's like an ETL (Extract, Transform, Load) layer in the cloud. You clean and shape data in a dataflow, then multiple datasets can use it.

Question 10: When and why would you use a dataflow instead of a dataset?

You'd use a dataflow to avoid repeating the same data cleaning steps for different datasets. It centralizes your ETL logic, making it reusable and more efficient.

Question 11: What are dashboards in Power BI Online? How are they different from reports?

Reports are multi-page, interactive, and built in Desktop.

Dashboards are single-page, built in the Online service, and are for high-level monitoring. They are built by pinning visuals from different reports.

Question 12: How do you pin a visual to a dashboard from a report?

Hover over the visual, click the pin icon, and choose which dashboard to add it to.

Question 13: What is the mobile view in Power BI and why is it useful?

It's a phone-optimized layout for a report. You rearrange visuals for a mobile screen, making it much easier to view on the go.

Question 14: What is a paginated report in Power BI and when would you use it?

It's a pixel-perfect, printable report (like a SQL Server Reporting Services report). You use it for operational reports, invoices, or any document that needs a precise layout.

Question 15: Can you export reports from Power BI Service to PDF or PowerPoint? How?

Yes. Open the report and click File > Export. You can choose to export to PDF or PowerPoint. It exports the current page you're viewing.

Question 16: What does "Live Connection" mean in Power BI Service, and how does it work?

A Live Connection means your report in the Service connects directly to a semantic model (dataset) that's already in the Service. It doesn't import the data. Changes to the dataset, like new measures, appear in the report instantly.

Question 17: Explain Row-Level Security (RLS) and how it's applied in Power BI Online.

RLS restricts data access for specific users. You define roles and filters in Power BI Desktop. In the Online service, you assign users to those roles, and they only see data permitted by the filter.

Question 18: How can you test RLS roles in Power BI Service?

In the service, go to your dataset, click the three dots (...), select Security, and then use the "View as" button to test any role you've created.

Question 19: What are Apps in Power BI and how do you publish one?

Apps are curated collections of dashboards and reports from a workspace. You publish one by going to the workspace, clicking "Create app," choosing the content, and then publishing it to your users.

Question 20: What are some key benefits of using the Power BI Online Service in enterprise environments?

Centralized management, easy sharing and collaboration, automatic data refreshes, and robust security (like RLS). It's the hub for distributing insights across the company.