

			POWER BI				
QUESTION 1			What is Power BI and why is it used in businesses?				
ANSWER			Power BI is a Business Intelligence (BI) tool developed by Microsoft.				
			It helps businesses analyze data and create interactive reports and dashboards.				
			Power BI converts raw data into meaningful insights using charts, graphs, and dashboards.				
			1) Why is Power BI used in businesses?				
			Data Visualization				
			Bar charts				
			Pie charts				
			Line graphs				
			KPI cards				
			2) Decision Making				
			Total Sales				
			Profit				
			Customer Growth				
			Monthly Performance				
			3) Connects to Multiple Data Sources				
			Excel				
			SQL Database				
			Cloud services				

			APIs					
			4) Real-Time Monitoring					
			Daily sales					
			Inventory levels					
			Website traffic					
			5) KPI Tracking					
			Revenue Growth					
			Profit Margin					
			Customer Retention					

			Sales table			
			Customer table			
			Product table			
			4) Data Visualization (Report Creation)			
			Now we design reports using:			
			Bar charts			
			Line charts			
			Pie charts			
			KPI cards			
			Tables			
			5) Publish to Power BI Service			
			After creating reports in Desktop:			
			Click Publish			
			Upload to Power BI Service (cloud platform by Microsoft)			

			A Navigator window will appear.		
			Select the sheet or table you want to load.		
			Click:		
			Transform Data (recommended) OR		
			Load (if no cleaning required)		
			5: Clean Data in Power Query Editor		
			In Power Query Editor you can:		
			Remove duplicates		
			Handle null values		
			Change data types		
			Rename columns		
			Remove unnecessary columns		
			6: Data Loaded into Model		
			Now:		
			Data will load into the Data Model.		
			You can see tables in the Fields panel.		

QUESTION 6			Define Data View, Report View, and Model View. Explain the purpose of each view.					
ANSWER			1) Data View					
			Data View shows the table data in rows and columns format (like Excel).					
			Check column values					
			Create calculated columns					
			Verify data after cleaning					
			Analyze data at row level					
			2) Report View					
			Report View is where you create charts, graphs, and dashboards.					
			Create visualizations (bar chart, pie chart, line chart, etc.)					
			Build dashboards					
			Add slicers and filters					
			Design report layout					
			3) Model View					
			Model View shows the relationships between tables.					
			Create relationships (Primary Key – Foreign Key)					
			Manage data model					
			View table structure					
			Understand how tables connect					

			Power BI can connect to online/cloud platforms.	
			Examples:	
			Azure SQL Database	
			SharePoint	
			Salesforce	
			OneDrive	
			Google Analytics	
			4) Web & API Sources	
			Power BI can pull data from:	
			Web URLs	
			REST APIs	
			OData feeds	
			Other Sources	
			Power BI datasets	
			Python scripts	
			Analysis Services	
			R scripts	
			Azure Data Lake	

QUESTION 8			Split Owner Name to create two new columns as First Name and Last Name				
ANSWER			owner name				
			mitesh sonawane				
			vicky shimpi				
			We want to split it into:				
			First Name				
			Last Name				
			Click Transform Data to open Power Query Editor.				
			Select the column Owner Name.				
			Go to the Transform tab.				
			Click Split Column → Choose By Delimiter.				
			Select Space as the delimiter.				
			Choose Split at Left-most delimiter.				
			Click OK.				