Glossary terms from week 1 **Attribute:** In a dimensional model, a characteristic or quality used to describe a dimension **Columnar database:** A database organized by columns instead of rows **Combined systems:** Database systems that store and analyze data in the same place **Compiled programming language:** A programming language that compiles coded instructions that are executed directly by the target machine **Data lake:** A database system that stores large amounts of raw data in its original format until it's needed **Data mart:** A subject-oriented database that can be a subset of a larger data warehouse **Data warehouse:** A specific type of database that consolidates data from multiple source systems for data consistency, accuracy, and efficient access **Database migration:** Moving data from one source platform to another target database **Dimension (data modeling):** A piece of information that provides more detail and context regarding a fact **Dimension table:** The table where the attributes of the dimensions of a fact are stored **Design pattern:** A solution that uses relevant measures and facts to create a model in support of business needs **Dimensional model:** A type of relational model that has been optimized to quickly retrieve data from a data warehouse **Distributed database:** A collection of data systems distributed across multiple physical locations **Fact:** In a dimensional model, a measurement or metric **Fact table:** A table that contains measurements or metrics related to a particular event **Foreign key:** A field within a database table that is a primary key in another table (Refer to primary key) Functional programming language: A programming language modeled around functions **Google DataFlow:** A serverless data-processing service that reads data from the source, transforms it, and writes it in the destination location **Interpreted programming language:** A programming language that uses an interpreter, typically another program, to read and execute coded instructions **Logical data modeling:** Representing different tables in the physical data model **Object-oriented programming language:** A programming language modeled around data objects **OLAP (Online Analytical Processing) system:** A tool that has been optimized for analysis in addition to processing and can analyze data from multiple databases **OLTP (Online Transaction Processing) database:** A type of database that has been optimized for data processing instead of analysis **Primary key:** An identifier in a database that references a column or a group of columns in which each row uniquely identifies each record in the table (Refer to foreign key) **Python:** A general purpose programming language **Response time:** The time it takes for a database to complete a user request **Row-based database:** A database that is organized by rows **Separated storage and computing systems:** Databases where data is stored remotely, and relevant data is stored locally for analysis **Single-homed database:** Database where all of the data is stored in the same physical location **Snowflake schema:** An extension of a star schema with additional dimensions and, often, subdimensions **Star schema:** A schema consisting of one fact table that references any number of dimension tables **Target table:** The predetermined location where pipeline data is sent in order to be acted on Terms and definitions from previous weeks **Application programming interface (API):** A set of functions and procedures that integrate computer programs, forming a connection that enables them to communicate **Applications software developer:** A person who designs computer or mobile applications, generally for consumers **Business intelligence (BI):** Automating processes and information channels in order to transform relevant data into actionable insights that are easily available to decision-makers **Business intelligence governance:** A process for defining and implementing business intelligence systems and frameworks within an organization Business intelligence monitoring: Building and using hardware and software tools to easily and rapidly analyze data and enable stakeholders to make impactful business decisions **Business intelligence stages:** The sequence of stages that determine both BI business value and organizational data maturity, which are capture, analyze, and monitor **Business intelligence strategy:** The management of the people, processes, and tools used in the business intelligence process **Data analysts:** People who collect, transform, and organize data **Data availability:** The degree or extent to which timely and relevant information is readily accessible and able to be **Data governance professionals:** People who are responsible for the formal management of an organization's data **Data integrity:** The accuracy, completeness, consistency, and trustworthiness of data throughout its life cycle **Data maturity:** The extent to which an organization is able to effectively use its data in order to extract actionable **Data model:** A tool for organizing data elements and how they relate to one another **Data pipeline:** A series of processes that transports data from different sources to their final destination for storage and analysis Data visibility: The degree or extent to which information can be identified, monitored, and integrated from disparate internal and external sources **Data warehousing specialists:** People who develop processes and procedures to effectively store and organize data **Deliverable:** Any product, service, or result that must be achieved in order to complete a project **Developer:** A person who uses programming languages to create, execute, test, and troubleshoot software applications **ETL** (extract, transform, and load): A type of data pipeline that enables data to be gathered from source systems, converted into a useful format, and brought into a data warehouse or other unified destination system **Experiential learning:** Understanding through doing **Information technology professionals:** People who test, install, repair, upgrade, and maintain hardware and software solutions **Iteration:** Repeating a procedure over and over again in order to keep getting closer to the desired result Key performance indicator (KPI): A quantifiable value, closely linked to business strategy, which is used to track progress toward a goal **Metric:** A single, quantifiable data point that is used to evaluate performance Portfolio: A collection of materials that can be shared with potential employers **Project manager:** A person who handles a project's day-to-day steps, scope, schedule, budget, and resources **Project sponsor:** A person who has overall accountability for a project and establishes the criteria for its success **Strategy:** A plan for achieving a goal or arriving at a desired future state **Systems analyst:** A person who identifies ways to design, implement, and advance information systems in order to ensure that they help make it possible to achieve business goals

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Systems software developer: A person who develops applications and programs for the backend processing systems used in organizations

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Tactic: A method used to enable an accomplishment

Transferable skill: A capability or proficiency that can be applied from one job to another

unity metric: Data points that are intended to impress others, but are not indicative of actual performance ar

**Vanity metric:** Data points that are intended to impress others, but are not indicative of actual performance and, therefore, cannot reveal any meaningful business insights

Mark as completed