DATA WareHouse 1 Marks

2019 – 2020 – 2021 – 2022 old – 2022 new -2023

Unit 1

1. OLTP stands for **Online Transaction Processing**

2. OLAP stands for **Online Analytical Processing**

3. CRM stands for **Customer Relationship Management**

4. ODS stands for **Operational Data Store**

5. OLAP stands for **Online Analytical Processing**

6. ERP stands for **Enterprise Resource Planning**

7. NDS stands for **Network Data System**

8. What is Multidimensional data store?

Ans: A Multidimensional data store is a database optimized for Online Analytical Processing (OLAP) applications, allowing complex queries and analysis across multiple dimensions.

9. OI.TP stands for **Online Transaction Processing**

10. OLAP stands for **Online Analytical Processing**

11. DWH stands for **Data Warehousing**

12. OLTP stands for **Online Transaction Processing**

13. CRM stands for **Customer Relationship Management**

14. OLAP stands for **Online Analytical Processing.**

15. ODS stands for **Operational Data Store**

16. What is data warehousing?

Ans: Data warehousing is the process of collecting, storing, and managing data from various sources to provide meaningful business insights and decision-making capabilities.

17. SOA stands for **Service-Oriented Architecture**

18. Write full form of CRM **Customer Relationship Management**

19. EDW stands for **Enterprise Data Warehouse**

20. CRM stands for **Customer Relationship Management**

21. OLTP stands for **Online Transaction Processing**

Unit 2

1. List out type of Relationship

   ANS: Types of Relationship:

        One-to-One

        One-to-Many

        Many-to-One

        Many-to-Many

2. Where Fact table is located in the database?
   ANS: Fact table is located in the center of a star schema or snowflake schema in the database

3. What is snowflake schema?
   ANS: Snowflake schema is a schema where dimensional tables are normalized, resulting in multiple related tables, linked through foreign key relationships.

4. What is a star schema?
   ANS: A star schema is a schema where dimensional tables are denormalized, resulting in a single table for each dimension and a central fact table, all linked through primary and foreign key relationships.

5. Fact table contain only Numeric facts. (True / **False**)
   ANS: False

6. Where Fact table is located in the database?
   ANS: Fact table is located in the center of a star schema or snowflake schema in the database.

7. Where Dimension Table is located in the database?
   ANS: Dimension tables are located around the fact table in a star schema or snowflake schema in the database.

8. What is a star schema?
   ANS: A star schema is a schema where dimensional tables are denormalized, resulting in a single table for each dimension and a central fact table, all linked through primary and foreign key relationships.

9. List out types of entity relationship

ANS: Types of Relationship:

   One-to-One

   One-to-Many

   Many-to-One

   Many-to-Many

10. What is role playing dimension?
    ANS: Role playing dimension is when a single dimension table is used multiple times in a schema to represent different roles.

11. What is fact table?
    ANS: Fact table is a table in a data warehouse that stores quantitative data (facts) about a business process, often surrounded by dimension tables to provide context.

12. List out type of relationship

ANS: Types of Relationship:

        One-to-One

        One-to-Many

        Many-to-One

        Many-to-Many

13. Where Fact table is located in the database?
    ANS: Fact table is located in the center of a star schema or snowflake schema in the database.

14. What is star schema?
    ANS: Star schema is a schema where dimensional tables are denormalized, resulting in a single table for each dimension and a central fact table, all linked through primary and foreign key relationships.

15. What is snowflake schema?
    ANS: Snowflake schema is a schema where dimensional tables are normalized, resulting in multiple related tables, linked through foreign key relationships.

16.How many fact tables are there in a star schema?

　　ANS: there is one fact table in a star schema.

17. DMQL stands for **Data Mining Query Language**

18. DM stands for **Data Mining**

19. What is data warehouse schema?

　　ANS: Data warehouse schema defines the structure of the data in a data warehouse, including the organization of tables, relationships between tables, and metadata.

20. SCD stands for **Slowly Changing Dimension**

21. What is fact table?

　　ANS: Fact table is a table in a data warehouse that stores quantitative data (facts) about a business process, often surrounded by dimension tables to provide context.

Unit 3

1. SSIS stands for **SQL Server Integration Services**

2. ETL stands for **Extract, Transform, Load**

3. SSDT stands for **SQL Server Data Tools**

4. List out container Control in SSDT

　　Ans: Sequence Container

　　　　For Loop Container

　　　　Foreach Loop Container

　　　　Task Host Container

5. SSIS stands for **SQL Server Integration Services**

6. ETL stands for **Extract, Transform, Load**

7. In SSIS, Extension of Packages is **.dtsx**

8. List out container Control in SSDT.

> **ANS:** Sequence Container
>
> For Loop Container
>
> Foreach Loop Container
>
> Task Host Container

9. SSIS stands for **SQL Server Integration Services**

10. SSDT stands for **SQL Server Data Tools**

11. ETL stands for **Extract, Transform, Load**

12. SSIS stands for **SQL Server Integration Services**

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16. ETL stands for **Extract, Transform, Load**

17. SSIS stands for **SQL Server Integration Services**

18. Write full form of SSDT **SQL Server Data Tools**

19. ETL stands for **Extract, Transform, Load**

20. SSIS stands for **SQL Server Integration Services**

21. SMO stands for **Shared Management Objects**

Unit 4

1. DQS stands for **Data Quality Services**

2. List out DQS Components.

     ANS: Knowledge Base

                    Data Quality Projects

                    Data Quality Services Server

                    Data Quality Client

3. How many types of project provide by DQS client? List out it.

     ANS: DQS client provides two types of projects: Data Quality Projects and Matching Policy Projects.

4. What Is Data Profiling?

     ANS: Data Profiling is the process of analyzing data to assess its quality, accuracy, completeness, and other characteristics.

5. DQS stands for **Data Quality Services**

6. List out DQS Components.

     ANS: Knowledge Base

                    Data Quality Projects

                    Data Quality Services Server

                    Data Quality Client

7. What is Data Cleansing?

> **ANS:** Data Cleansing is the process of detecting and correcting (or removing) corrupt or inaccurate records from a database or dataset.

8. What Is Data Profiling?

> **ANS:** Data Profiling is the process of analyzing data to assess its quality, accuracy, completeness, and other characteristics.

9. DQS stands for **Data Quality Services**

10. DQAF stands for **Data Quality Assessment Framework**

11. What is data profiling?

> **ANS:** Data Profiling is the process of analyzing data to assess its quality, accuracy, completeness, and other characteristics.

12. DQS stands for **Data Quality Services**

13. List out DQS Components.

> **ANS:** Knowledge Base
>
> Data Quality Projects
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14. How many types of project provide by DQS client? List out it.

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15. What is Data Profiling?

> **ANS:** Data Profiling is the process of analyzing data to assess its quality, accuracy, completeness, and other characteristics.

16. DQS stands for **Data Quality Services**

17. What is data cleansing?

   ANS: Data Cleansing is the process of detecting and correcting (or removing) corrupt or inaccurate records from a database or dataset.

18. DTS stands for **Data Transformation Services**

19. DQS stands for **Data Quality Services**

20. DQKB stands for **Data Quality Knowledge Base**

21. DQM stands for **Data Quality Management**

Unit 5

1. SSAS stands for **SQL Server Analysis Services**

2. SSRS stands for **SQL Server Reporting Services**

3. List out type of Authentication to Connect SQL Server.

   Ans: Types of Authentication to Connect SQL Server:

   Windows Authentication (Integrated Security)

   SQL Server Authentication

4. BI stands for **Business Intelligence**.

5. SSAS stands for **SQL Server Analysis Services**

6. Each Cube has one or more Dimensions. (True **/ False**)

   False.

7. List out type of Authentication to Connect SQL Server.

      Ans: Types of Authentication to Connect SQL Server:

      Windows Authentication (Integrated Security)

      SQL Server Authentication

8. Extension of Reports is **.rdl.**

9. SSAS stands for **SQL Server Analysis Services**

10. SSRS stands for **SQL Server Reporting Services**

11. BIML stands for **Business Intelligence Markup Language**

12. SSAS stands for **SQL Server Analysis Services**

13. SSRS stands for **SQL Server Reporting Services**

14. List out types of Authentication to connect SQL Server.

      Ans: Types of Authentication to Connect SQL Server:

      Windows Authentication (Integrated Security)

      SQL Server Authentication

15. BI stands for **Business Intelligence**

16. SSRS stands for **SQL Server Reporting Services**

17. BIDS stands for **Business Intelligence Development Studio**

18. RDL stands for **Report Definition Language**

19. SSRS stands for **SQL Server Reporting Services**

20. SSAS stands for **SQL Server Analysis Services**

21. What is data analysis?

Ans: Data analysis is the process of inspecting, cleansing, transforming, and modeling data to discover useful information, inform conclusions, and support decision-making.