Week 2 Assignment 2

You can use the hint for this assignment (not case sensitive). Answer in the blank on how to complete this assignment.

1. What is a database?
   a. A group of related fields
   b. A group of columns
   c. A group of related files
   d. A group of files

2. What is a PROJECTION operation in a Relational Database Management System (RDBMS)?
   a. Creates subset of records in table
   b. Creates subset of columns in table
   c. Creates subset of columns in table
   d. Creates product of tables

3. What does Data Warehouse store?
   a. Only current data from operational database
   b. Only historical data from several operational transaction systems
   c. Current and historical data from many core operational transaction systems
   d. Current data from many core operational transaction systems

4. How is Data Mart different from Data Warehouse?
   a. Data Mart typically focuses on multiple lines of businesses
   b. Data Mart typically focuses on single subject and multiple lines of businesses
   c. Data Mart typically focuses on multiple subjects and multiple lines of businesses
   d. Data Mart typically focuses on single subject or line of business

5. What is Knowledge discovery in databases (KDD)?
   a. Non-trivial process of identifying valid patterns in data
   b. Non-trivial process of identifying useful patterns in data
   c. Non-trivial process of useful patterns in data
   d. Non-trivial process of estimating patterns in data

6. -------- is used for descriptive analytics.
   a. Regression
   b. Classification
   c. Clustering
   d. Optimization

7. Which one is not the category of data analytics?
   a. Descriptive
   b. Diagnostic
   c. Inferential
   d. Perscriptive

8. How to measure confidentiality in a relationship in Entity-Relationship (E-R) Diagram?
   a. Number of entities
   b. Number of attributes
   c. Number of tables
   d. Number of related tables

9. How is an attribute represented in the E-R diagram?
   a. Rectangle
   b. Circle
   c. Square
   d. Oval

10. What is OLAP used for?
    a. Knowledge discovery in databases
    b. Summarizing information for the enterprise
    c. Multidimensional data analysis
    d. Data normalization