

EXERCISE**Q1. Fill in the blanks**

1. A(n) table is a two dimensional array containing descriptive information about an entity.
2. A(n) entity is any thing about which the information is kept in the database.
3. In a table the order of rows and columns is insignificant.
4. In a relation, the attribute or a combination of attributes that uniquely identifies a record is called primary key.
5. A(n) attribute describes the characteristics of an entity.
6. A(n) foreign key is an attribute in a table whose values must match a primary key in another table.
7. A(n) DBA is responsible for the design, implementation, operation, management and maintenance of the database.
8. A(n) composite key consists of two or more attributes.
9. A(n) view is the dynamic result of one or more relational operations on the base relations to produce another relation.
10. The data refers to raw facts and figures.

Q2. Select the correct option

1. Insert command is used to insert.
(a) a new table (b) **a new record**
(c) a view (d) dependencies
2. The foreign key is found in
(a) parent table (b) **dependant table**
(c) pivot table (d) index table
3. Anything in the real world that has a set of different attributes or properties is called:
(a) Database (b) Data set
(c) **Entity** (d) Data
4. _____ represents an entity:
(a) Car (b) Student
(c) House (d) **All of these**
5. A table is also known as:
(a) Two-dimensional array (b) Relation
(c) **Both (a) and (b)** (d) None

6. A table is also known as
(a) Multiple arrays (b) **Relation**
(c) A file (d) None of these
7. A tuple in a table is also known as
(a) Occurrence (b) Attribute
(c) Relation (d) **Record**
8. The columns of a relation correspond to:
(a) Table (b) Cell
(c) **Fields** (d) Records
9. The rows of a table or relation are known as:
(a) Tuples (b) Occurrences
(c) **Both (a) and (b)** (d) None
10. The column of a relation is known as
(a) **Attribute** (b) Tuple
(c) Relation (d) Record
11. _____ is used to create data view:
(a) Database Manager (b) **SQL**
(c) Report Generator (d) Utilities
12. _____ is used to uniquely identify records of a relation:
(a) Secondary key (b) Foreign key
(c) Sort key (d) **Primary key**
13. A table must have:
(a) **Primary key** (b) Secondary key
(c) Composite key (d) Sort key
14. A key that consists of two or more than two attributes of a table is called
(a) **Composite Key** (b) Foreign Key
(c) Primary Key (d) Sort Key
15. An attribute is also known as:
(a) Relation (b) Row
(c) **Field** (d) Tuple
16. _____ is known as control key:
(a) **Sort key** (b) Primary key
(c) Candidate key (d) Composite key

17. SQL is used for
(a) Data manipulation (b) Data definition
(c) Data Deletion (d) **All of the above**
18. Which of the following is responsible for designing the database system.
(a) Data Administrator (b) End User
(c) **Database Administrator** (d) Database Manager
19. _____ serves as a bridge between end users and database administrator:
(a) **Data Administrator** (b) System Analyst
(c) Application Programmer (d) None
20. _____ is responsible for designing, coordinating and monitoring the database system:
(a) Data Administrator (b) End-user
(c) **Database Administrator** (d) Database manager
21. The concept of database evolved from old
(a) Computers
(b) Software
(c) **Traditional File Management system**
(d) Systems
22. CREATE TABLE command is used to create a:
(a) **Table** (b) View
(c) Report (d) Query
23. All the data stored on the hard disk as a combination of
(a) Records (b) Fields
(c) Words (d) **0's and 1's**
24. Field is another name of
(a) Records (b) Data
(c) **Column** (d) Table
25. A person, place, event or anything about which data is collected and stored in a database is called:
(a) Relation (b) **Entity**
(c) Attribute (d) Record
26. How many primary keys can a relation have?
(a) At least two (b) **Only one**
(c) No limit (d) None
27. Another name for file is
(a) Collection of Records (b) Instance
(c) **Dataset** (d) Tuple

28. An attribute of a relation of a database that serves as a primary key of another relation in the same database is called:
- (a) **Foreign key** (b) Candidate key
(c) Control key (d) Alternate key
29. In the Relation _____ is insignificant
- (a) Name of Relation (b) **Order of Rows**
(c) No of Records (d) Size of Relation
30. Atomicity refers to the
- (a) **Individual Value in a Cell** (b) Individual Value in a Row
(c) Individual Value in a Table (d) Individual Value in a Tuple
31. _____ are created to keep the data safe and secure from unauthorized and illegal users
- (a) Security (b) Tables
(c) Locks (d) **Views**
32. To create view _____ statement is also used
- (a) **Select** (b) Form
(c) Enable (d) Visualize
33. The attribute or a combination of attributes used to uniquely identify a row in a table.
- (a) Foreign Key (b) Sort Key
(c) **Primary Key** (d) Data Key
34. A non unique field is called
- (a) Primary key (b) Candidate Key
(c) Alternate Key (d) **Secondary Key**
35. In the presence of more than one unique fields, one is primary and other one is called
- (a) **Candidate Key** (b) Primary Key
(c) Enable (d) Secondary Key

36. Another name for composite key is
(a) Primary Key (b) Control Key
(c) **Concatenate Key** (d) Sort Key
37. To physically sequence the stored data _____ key is used
(a) Primary Key (b) **Control Key**
(c) Candidate Key (d) Composite Key
38. A person who is responsible for the organization of entire data of an organization
(a) DBA (b) **DA**
(c) Administrator (d) System Administrator
39. A person who is responsible for the security and maintenance of database
(a) System Administrator (b) **DBA**
(c) DA (d) Administrator
40. View is stored in the
(a) Table (b) Row
(c) Database (d) **None of Above**

Q3. Write T for true and F for false statement

1. The view is not stored in database. (T)
2. Two tables can not have the same name in the database. (T)
3. Index makes the searching of a record faster. (T)
4. Secondary Key must be unique. (F)
5. Te primary key can not work as a sort key. (F)
6. The DBA is responsible for maintaining the database. (T)
7. A file is a collection of related fields. (F)
8. DBMS provide more security to protect data than traditional file management systems. (T)
9. DBMS is a software used to train database administrator. (F)
10. A relation is also termed as a tuple in relational database. (F)