**DATABASE OBJECTS**

**Tables:**

**:**

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Q. What are Database objects ?

Ans : Tables, Rows and columns are some of the database objects.

Q.Define :

**Table**

Ans

A table is a set of data elements that is organized using a model of vertical columns and horizontal rows. Each row is identified by a unique key index or the key field.

**Columns or Fields or Attributes :**

A column is a set of data values of a particular simple type, one for each row of the table. For eg. Emp\_Code , Emp\_Name , Emp\_Address etc.

**Rows or Records or Tuples:**

A row represents a single, data items in a table. Each row in a table represents a set of related data, and every row in the table has the same structure.

Q. What do you understand by Data Types ?

Ans: Datatypes are used to identify which type of data (value) we are going to store in the database.

Data types in OpenOffice base are broadly classified into five categories listed below.

**• Numeric Types**

**• Alphanumeric Types**

**• Binary Types**

**• Date time**

**• Other Variable types**

How data is organized in a RDBMS ?

**Ans :- In RDBMS, data is organized in the form of inter linked tables.**

**PRIMARY KEY:-** A primary key is a unique value that identifies a row in a table. These keys are also indexed in the database, making it faster for the database to search a record.

**FOREIGN KEY:**- The foreign key identifies a column or set of columns in one (referencing) table that refers to a column or set of columns in another (referenced) table

**The list of different data types available in Date Time type are :-**

1. Date (Stores month, day and year information)

2. Time (Store hour , minute and second information)

3. Timestamp (Stores date and time information

**BINARY TYPES:-**

Binary types are used for storing data in binary formats. It can be used for storing photos, music files or (in general file of any format) etc.

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**The list of different datatypes available in Binary types are :-**

1. LongVarBinary (Image)

2. Binary (Binary (fix) )

3. VarBinary (Binary)

**Fill in the blanks:**

1. A table is a set of data elements that is organized using a model of vertical \_\_\_\_\_\_\_\_\_\_\_ and horizontal \_\_\_\_\_\_\_\_\_\_\_\_.

2. A \_\_\_\_\_\_\_\_\_ is a set of data values of a particular type, one for each row of the table.

3. A \_\_\_\_\_\_\_\_\_\_\_ represents a single, data item in a table.

4. \_\_\_\_\_\_\_\_\_\_\_\_\_ are used to identify which type of data we are going to store in the database.

5. There are \_\_\_\_\_\_\_\_ ways to create a table.

6. Field properties can be set in both the \_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_ .

**Short Answer Questions**

1. In how many ways tables can be created in Base?

2. Why are data types used in DBMS /RDBMS?

3. List datatypes available in Numeric Datatype? 130

4. List datatypes available in Alphanumeric Datatype?

5. Define the structure of a table.

6. Differentiate between Tuples and Attributes of a table.

7. Name different Binary data types.