--class 1

--Q.What is data?

--Collection of meaningful information.

--OR

--Collection record information.

--Q. What is database (DBMS)?

--it is collection of data in file format.

--ex: Excel, word file, text file, notepad , notepad++ etc.

--it stores fewer amounts of data

--no relationship between two files or tables

--Q. What is RDBMS(Relational data base management system)?

--it is collection of table related information.

--it stores huge amount of data and to extract the data we have a simple language i.e. SQL

--There is relation between two or more tables.

--Q. what is table ?

--it is collection of rows and columns.

--There are two types of databases

--1.System defined database

--2.User defined database

--SQL is not a case sensitive language

--The meaning 'A' is always same 'a'

--for ex: 'AMAR' it has same meaning of 'amar'

--SQL statements

--There are four types of SQL statements

--1.DDL(Data Definition language) -- Table level operation.

--2.DML(Data Manipulation Language) --Data stored inside the table

--3.DCL(Data Control Language)

--4.TCL(Transaction Control Language)

--1.DDL(Data Definition language)

--These statements are basically used to perform structure related operation w.r.to table.

--Create,Drop,Truncate,Alter,Rename

--Create

--This Is DDL SQL statement and used to create database and Table.

--Q. How to create Database ?

Create database Testing20

--Class 2

--Q.How to create Table?

Create table FirstTable(

FID int,

FirstName varchar(20),

LastName varchar(20),

City varchar(20),

Age int);

--In SQL if you want to terminate SQL statement then use ; at the end of statement.

--2.DML(Data Manipulation Language)

--These statements are used to operate the data stored inside into the table.

--DML statements are used to play with table data.

--below are the different statements

--SELECT,INSERT,UPDATE,DELETE

--SELECT

--Select statement is used to select the data which you have written

--This is DML statement and used to fetch the records from table.

select 88888

select 'Scodeen Global'

select scodeen --Exception/Error -Invalid column name 'scodeen'.

--Q.How to fetch the complete data from a table?

select \* from FirstTable;

--Q.how to select a particular column from table?

select firstname,age from FirstTable

--\* - it will indicate we are selecting complete data from table

--Q. How will you insert the data into the table?

--INSERT

--Insert Statement is used to insert the data into the table.

--By two ways we can insert the data into the table

--METHOD-I

--We have to insert the data sequence wise how we have created the table

insert into FirstTable values(1,'Praveen','Patil','Pune',30);

insert into FirstTable values(1,'Praveen','Patil','Pune'); --Error -Column name or number of supplied values does not match table definition.

select \* from FirstTable

--METHOD-II

--We don’t have restrictions to insert the data as per column sequence defined in table.

--While inserting the data we have to mention column names in insert statement.

insert into FirstTable (FID,FirstName) values (2,'Amit')

insert into FirstTable (FirstName,FID,Age,LastName) values ('Puneet',3,24,'sharma');

insert into FirstTable (Age,FID,FirstName,LastName) values (35,4,'Puskar','Verma')

insert into FirstTable (Age,FID,FirstName,LastName) values (27,5,'Meena','Patil')

select \* from FirstTable

create table Info (id int, name varchar (10), city varchar (5), marks int );-- For create table

select \* from Info; -- Fetch records

insert into Info values (101,'Amit','Pune',80);

insert into Info values (102,'Puja','Nagar',70);

insert into Info values (103,'Aman','Pune',90);

insert into Info values (104,'Revti','mum',80);

insert into Info values (105,'Amit','Pune',80);

insert into Info values (101,'Amit','Mumbai',80);-- not accepted

insert into Info values (106,'Ravi',80);-- not accepted

insert into Info values (101,'Amit','',80);

insert into Info values (101,'Amit','','');

insert into Info values (108,'AB',null,80);

insert into Info (id,name) values (110,'Nita');

select id,name from Info