## Indexes and views

### To implement the concept of Indexes and views.

**Indexes-** An index is an ordered list of content of a column or group of columns in a table. An index created on the single column of the table is called simple index. When multiple table columns are included in the index it is called composite index.

#### Creating an Index for a table:-

##### Syntax (Simple)

CREATE INDEX index\_name ON tablename(column name);

#### Composite Index:-

CREATE INDEX index\_name

ON tablename(columnname,columnname);

#### Dropping Indexes:-

An index can be dropped by using DROP INDEX

##### SYNTAX:-

Views:-

DROP INDEX indexfilename;

Logical data is how we want to see the current data in our database. Physical data is how this data is actually placed in our database.

Views are masks placed upon tables. This allows the programmer to develop a method via which we can display predetermined data to users according to our desire.

### Creation of Views:-

##### Syntax:-

CREATE VIEW viewname AS SELECT columnname,columnname FROM tablename

WHERE columnname=expression\_list;

### Selecting a data set from a view-

##### Syntax:-

SELECT columnname, columnname FROM viewname

WHERE search condition;

### Destroying a view-

##### Syntax:-

DROP VIEW viewname;

## Assignment No # 3

##### Answer the following Questions

Q1. Create an index on the table client\_master, field client\_no.

Q2. Create a composite index on the sales\_order\_details table for the columns s\_order\_no and product\_no.

Q3. Drop index in Q2.

Q4. Create view on salesman\_master whose sal\_amt is less than 3500.

Q5. Drop the view client\_view.