Ex . No: 03 CREATION OF VIEWS , SYNONYMS , SEQUENCE , INDEXES,

SAVEPOINT

AIM:

To study the Creation of Views, Synonyms, Soquena, Indoors and Sovepoint.

CREATING A VIEW:

BESCRIPTION:

A view as a logical table based on a table on another view. A view contains no data of its own but is like a window through which data from tables can be viewed on charged.

SYNTAX:

Create on replace view «view name? [Column els name] es ¿query?
[with < options? Conditions];

INBEX:

BESCRIPTION:

Index is a database object, provides a fast access path to

SIMPLE INBEX:

A simple index on Column

SYNTAX:

Create index & name > on [conditions];

COMPOSITE INBEX :

An index counted on more than one column of table:

SYNTAX:

Greate indesc knower on ktoble-name; [blumm-name, Glummanne];

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SAVEPOINT
  Bescription:
          It is used to some the changes in table
 Syntax:
         Sovepoint 2 table name 7;
 SYNONYMS
 Description:
       A synonym is an alternative name for objects such as talks, visuos et
 SYNTAX:
  Greate synonym 2 name 7 for 2 table-name 7;
 SEQUENCE
 AFSCRIPTION:
        Sequence is a DB object that an generate unique sequented value
SEQUENCE WITH CYCLE :
              specify the soquence will continue to governate value after
subching either maximum on minimum value
SYNTAX :
    create sequence & name? Steat with [value aperation] by [value]
 maxide[sod volue] no (yele fache [volue];
SEQUENCE WITH NO MICH !
       specify sequence con't generate volue offer neaching max ormin volve
SYNTAX:
   Greate sequence < name > stoot with [ value operator ] by
[value] mesevalue [value] nocycle;
```

FOREIGN KEY and CHECK CONSTRAINTS

AIM:

To study set various constraints like Not Null, Primary Key, Foreign Key and check constraints.

DOMAIN INTEGRITY CONSTRAINTS

(a) NOT NULL CONSTRAINT

BESCRIPTION:

This constraint is used to specify that a column may news contain a NULL Value.

SYNTAX:

(wate table «tablename» (wit datatype No 7 null, co12 datatype);

USING ALTER STATEMENT

SYNTAX:

after table & table name 7 modify Liebumn name 7 not null

(6) BEFAULT CONSTRAINT

BESCRIPTION:

Befort constraint provides a default value to a Column when the insert into statement does not provide a specific value

USING CREATE STATEMENT:

SYNTAX:

create table 1 table name 7 (col 1 detatype default value, col 2 datatype)

USING ALTER STATEMENT:

alter table modify ((slumn default value);

(c) CHECK CONSTRAINT

BESCRIPTION:

constraint validates incoming columns at more insention time

YNTAX:

Create table = table name > (will datatype [constraint constrains] check (condition) }:

ENTITY INTEGRITY CONSTRAINTS

2) UNIQUE CONSTRAINT

DESCRIPTION :

The Unique constraint answer that all volues in a column one distinct

SYNTAX :

Create table & table name > (colo detatype [constraint name] unique);

() PRIMARY KEY

BESCRIPTION:

A primary key is used to uniquely identify each row in a table.

SYNTAX:

treate table (Cols datatype [constraint crame] primary Key);

REFERENTIAL INTEGRITY CONSTRAINT

BESCRIPTION:

A foreign key is a field that points to the primary key onother table.

SYNTAX:

create table 2 table name > Cols datatype [constraint name] primary Key, coli [constraint fk-come references 2 parent table some 7 (cost 1);

AIM:

To study the database coneating sulationship between the databases and outsieve succoseds using joins for the below sulations.

TYPES OF JOINS :

" simple Join

2. Self John

3. Outen Join

SIMPLE JOIN:

It retrieves from 2 tables having a common column

(a) Equi-join

A join, which is based on equalities, is called equi-join

Sdeet . from xtable 17, <table 27 word xtable 17. (Column) xtable 27. [column]

(b) Non - Equi -join

It specifies the orelationship between columns belonging to different tolles

Select * from <+able = 7, <+able = 7 tobe = 7 (column) [condition] ktolder (alumn)

SELF JOIN:

Joining of a table to itself in Mnown as self join.

Select . from <toble 17 <toble 2) where [condition]

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INNER JOIN:
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Select a from etable names , etable names tohers [borditton]

NATURAL JOIN :

Select * from xtable name 17 Natural join xtable name 7;

CROSS JOIN:

Select " from + chos join + chlename 27;

OUTER JOIN:

st extends the results of a simple join. The symbol (+)

LEFT OUTER JOIN!

Select . from 2+able name 17, 2+able name 27 where 2 tale name 1724dumn now (+) = 27.26bernone 27.26bernone;

RIGHT DUTER JOIN;

Select " from 2 tablename 17, 2 table name 27 where 2 tablename 172 columname 7= 27.2 (dumane 7(4))

FULL DUTER JOIN:

Select * from 2 table name 17 Full join <table name 47 on
2 table name 17. < (dumn) = < table name 17. < (alumn);