Task-2 31/7/25

Generating design of others traditional database model.

Creating hierarchical / Network model of the database by enchaning the sound abstract data by performing following task using forms of in furitance

2a. Identify the specificity of each relationship find and form surplus relation.

2b. check is-a hirarchy (has-a hierachy and perform of eneralization + / or specialization relationship.

2c. Find the domain of the attribute and. perform a check constraint to the applicable

2d > Rename the relations

2e ~~Pad~~ perform SQL Relation using DDL, DCL commands.

Generating design of other traditional database model.

implementation of DDL, DML, DCL and TCL commands of SQL.

Aim:

Implementation of DDL, DML, DCL and TCL Commands of SQL with suitable examp

Data types:-

① char (size):-

This Data type is used to store charact Strings values of length the size in branchy determins the number of c ter the cell can hold the maximu number of character is 255 character.

② Varchar (size):-

This data type is used to store vario length alph numbers datas the maximu character can had is 2000 character.

③ Number [D.S]:-

The number data type of used to s number of visurtion any magnitud be used number as bargel as g.c the precission deton the number

ues to the right of the decimal it
ue is omitted than the values
stored with their original precision
to the maximum of 15 digits.

NOTE:
is datatype is used to regret data and
me the standard formed is DD MM YY Y

13-Sep-2009 to inter data other than
standard formed use the op present

unction Data time stamp data in The
-floor format by default the time
a data field is 12:00:00 am if no
portion is Specitreal the default
ata for a data field is the first day
he current month.

LONG:
is data type is used to store variable
ngth character strings containing up to
GB long dates can be ared to
ore arrays of bonary data. in Aici's
rmat long values cannot be indexed
nd the normal character functions such
s subject cannot be applied.

Describe:

Syntax:

DESC table_name

TRUNCATE TABLE:

Remove all records from a table incl. all spaces allocate for the records are removed.

Syntax:

TRONEATE TABLE table_name.

Data Manipulation language:

Data manjaclation language allows the user to query and manipulate data in existing schema in object. it allows following data to insult delate apdata and neurevy data in schema object.

insert:

Value can be inserted into table using insert commands - they are multiple value insert. Commande single value insert command.

Syntax:

insert into table_name values

(value 1, value 2, value 3, ...);

updates:

This allow the user to update the particular colum value using the where (value condition).

Syntax:

update < table_name > set where

< col 1) = value

, column = value ;

Delete:-

this allow you to delete the particular column value using where clause condition:

Syntax:

DELATE from < table_name > where.

< conditions ;

* sorting
The select statement with order by clave is used to fort the content table either in asending & rescending order

Syntax:
select column name from table_name where condition order by column name Asc/Desc

* select using AND, OR, NOT...
the select statement along with like clause is used to match string. The like condistion is used fo specify a search pattern in a column AND & NOT

Syntax:
table - name where column name like '%';
or - '_';

Data control language

1. Create:
* create user kana, identified by kural;
user created.

2. grant
grant all prieilges to kanal;
grant succeded.

3) Revoke:
Revoke all privlleges from 'kanal;
Revoke succeded.

Transaction control language

1) commit; =>

→ commit;

commit complete;

2) Save point:

→ Save point k7;

Save point created.

3) Roll back:

→ Roll back to k1;

Roll back complete.

VEL TECH	
EX.NO.	4
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	4
RECORD (5)	
TOTAL (20)	18
SIGN WITH DATE	

Result: The implementation of DDL | DML | DCL & TCL commands of SQL has been successfully executed.

Task-2: Generating dugin other traditional database traditional database model.

DBMS 2

SQL> create table mahesh(name varchar(7),vtu number(8),address varchar(12));

Table created.

SQL> desc mahesh

Name	Null?	Type
NAME		VARCHAR2(7)
VTU		NUMBER(8)
ADDRESS		VARCHAR2(12)

SQL> alter table mahesh add units varchar(10);

Table altered.

SQL> alter table mahesh drop column units;

Table altered.

SQL> alter table mahesh modify vtu number(5);

Table altered.

SQL> alter table mahesh rename column address to addrss;

Table altered.

SQL> desc mahesh

Name	Null?	Type
NAME		VARCHAR2(7)
VTU		NUMBER(5)
ADDRSS		VARCHAR2(12)

SQL> insert into mahesh values('sunny',4321,'hyd');

1 row created.

SQL> insert into mahesh values('rain',8765,'blr');

1 row created.

```
SQL> select*from subject;

no rows selected

SQL> select*from mahesh;

NAME       VTU ADDRSS
---------- ---------- ----------
sunny      4321 hyd
rain       8765 blr

SQL> update mahesh set name='storm' where name='sunny';

1 row updated.

SQL> insert into mahesh values('cloud',2145,'chn');

1 row created.

SQL> select*from mahesh;

NAME       VTU ADDRSS
---------- ---------- ----------
storm      4321 hyd
rain       8765 blr
cloud      2145 chn

SQL> delete from mahesh where name='cloud';

1 row deleted.

SQL> select*from mahesh;

NAME       VTU ADDRSS
---------- ---------- ----------
storm      4321 hyd
rain       8765 blr

SQL> select distinct name,vtu,addrss from mahesh;

NAME       VTU ADDRSS
---------- ---------- ----------
storm      4321 hyd
rain       8765 blr
```

SQL> select*from mahesh where vtu between 3000 and 5000;

NAME	VTU	ADDRSS
storm	4321	hyd

SQL> select vtu as vtu_no from mahesh;

VTU_NO
4321
8765

SQL> select addrss from mahesh where name like '_%f';

no rows selected

SQL> select name from mahesh where name='storm' and addrss='hyd' and name like'_f%';

no rows selected

SQL> create user mahesh identified by reddy;

User created.

SQL> commit;

Commit complete.

SQL> savepoint k1;

Savepoint created.

SQL> rollback to k1;

Rollback complete.

SQL>

VEL TECH	
EX NO.	2
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	4
RECORD (5)	4
TOTAL (20)	18
SIGN WITH DATE	