DATE-:13/8/19 EXPERIMENT-5

NAME-: NANDISH SHAH REG NO-:RA1711008010143

5 DATA MANIPULATION AND CONTROL

<u>`Grant Command – Privilege like SELECT, INSERT, UPDATE, DELETE, ALTER</u>

SECOND ON CUSTOMER TABLE TO EVERYONE.

SQL> create view custview as select * from customer;

View created.

SQL> grant all on custview to public;

Grant succeeded.

♦ GRANT PERMISSION TO INSERT ONLY PARTICULAR COLUMNS IN CUSTVIEW;

SQL> grant insert (customer_name) on custview to rdbms;

Grant succeeded.

♦ GRANT SELECT PERMISSION TO CUSTOMER_NAME TABLE TO USER RDBMS AND ALLOW HIM TO GIVE FURTHER GRANTS

SQL> create view custnameview as select * from customer;

View created.

SQL> grant select on custnameview to rdbms with grant option;

Grant succeeded.

REVOKE – revoke database privileges from user.

SQL> revoke all on custview from public;

Revoke succeeded.

SQL> revoke select on custnameview from rdbms;

Revoke succeeded.

APPLICATION PRIVILEGES MANAGEMENT - used to create ROLE -

collection of related system privileges.

SQL> create role rkarthik;

Role created.

SQL> grant select, update on custview to rkarthik;

Grant succeeded.

SQL> grant rkarthik to rdbms, scott;

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rant succeeded.
NABLE ROLE
QL> set role rkarthik;
ole set.
ROP ROLE
QL> drop role rkarthik;
ple dropped.
IDEXES –common way to enhance performance in retrieving information from
ble.
QL> create table branchv as select * from branch;
able created.
QL> create index brindx on branchv(branch_name);
dex created.
QL> create unique index brrindx on branchv (branch_name,branch_city);
dex created.
ROPPING INDEX
QL> drop index brindx;
dex dropped.
QL> drop index brrindx;
dex dropped.
EQUENCES – used to generate unique integers for use as primary key;
QL> create sequence loanno increment by 1 start with 1000;
equence created.
ENERATING SEQUENCE NUMBER WITH NEXTVAL
QL> select loanno.nextval from dual;

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NEXTVAL
1000
SQL> create view loanv as select * from loan;
View created.
GENERATING SEQUENCE NUMBERS WITH NEXTVAL
SQL> insert into loanv (loan_no, branch_name, amount) values (loanno.nextval, 'sbi', 5000);
1 row created.
SQL> select loanno.currval from dual;
CURRVAL
1001
USING SEQUENCE NUMBERS WITH CURRVAL
SQL> select loanno.currval from dual;
CURRVAL
1001
ALTERING A SEQUENCE:
SQL> alter sequence loanno increment by 2;
Sequence altered.
REMOVING SEQUENCE:
SQL> drop sequence loanno;
Sequence dropped.
VIEWING SEQUENCE CREATED:

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icici	mardurai	40000	
sbi	trichy	80000	
hdfc	salem	40000	
hsbc	ahemdabad	40000	
pnb	mumbai	80000	
iob	chennai	79000	
kvb	usa	1000	
7 rows s	elected.		
SQL> up	date branch set asse	ets = 10000 where	e branch_name = 'kvb';
1 row up	odated.		
SQL> sel	ect * from branch;		
BRANCH	_NAME BRANCH_	CITY	ASSETS

icici	mardurai	40000
sbi	trichy	80000
hdfc	salem	40000
hsbc	ahemdabad	40000
pnb	mumbai	80000
iob	chennai	79000
kvb	usa	10000

7 rows selected.

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SQL> roll	back to savepoint a;			
Rollback	complete.			
SQL> sele	ect * from branch;			
BRANCH_	_NAME BRANCH_CIT	Υ	ASSETS	
icici	mardurai	40000		
sbi		80000		
hdfc	salem	40000		
hsbc	ahemdabad	40000		
pnb	mumbai	80000		
iob	chennai	79000		
kvb	usa	1000		
7 rows se	elected.			
SQL> rollback to savepoint a;				
Rollback complete.				
SQL> sele	ect * from branch;			
BRANCH_	_NAME BRANCH_CIT		ASSETS	
icici	mardurai	40000		

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EXPERIMENT-5 NAME-: NANDISH SHAH REG NO-:RA1711008010143 **5 DATA MANIPULATION AND CONTROL** sbi trichy 80000 hdfc salem 40000 hsbc ahemdabad 40000 80000 pnb mumbai iob chennai 79000 kvb 1000 usa 7 rows selected. **TYPE OBJECT:** - handles multivalued attribute. SQL> create type phno as object (land number(10), office number(10), mobile number(10)); 2 / Type created. SQL> alter table customer add customer_phone phno; Table altered. QL> update customer set customer_phone = phno('999999999','8888888888','777777777')where customer_name='kadam'; 1 row updated. SQL> select * from customer where customer_name='kadam'; CUSTOMER_NAME CUSTOMER_STREET CUSTOMER_CITY

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5 DATA MANIPULATION AND CONTROL

CUSTOMER_PHONE(LAND, OFFICE, MOBILE)

kadam sgroad

marduarai

PHNO(9999999999, 8888888888, 777777777)