ExNo: 1	DDL, DML AND INTEGRITY CONSTRAINTS
Date:	
AIM:	
commands such	onstrate DDL commands such as create, alter, drop, truncate, rename, DML as Insert, Update, Delete and Integrity Constraint such as Primary key, Unique key, Default, Null and Not Null for Laptop Service Management
DDL COMMA	NDS:
CREATE	
SQL> create tal pk3 primary key	ble Customer(cid number(10),cname varchar(30),phno number(10),constraint v(cid));
Table created.	
DESCRIBE A	TABLE
SQL> desc Cust	tomer;
Name	Null? Type
CID	NOT NULL NUMBER(10)
CNAME	VARCHAR2(30)
PHNO	NUMBER(10)
ALTER	
SQL> alter table	e Customer add age number(3);
Table altered.	
SQL> desc Cust	tomer;

Name	Null? Type			
CID	NOT NULL NUMBER(10)			
CNAME	VARCHAR2(30)			
PHNO	NUMBER(10)			
AGE	NUMBER(3)			
MODIFY				
SQL> alter table Customer mod	ify age varchar(3);			
Table altered.				
SQL> desc Customer;				
Name	Null? Type			
CID	NOT NULL NUMBER(10)			
CNAME	VARCHAR2(30)			
PHNO	NUMBER(10)			
AGE	VARCHAR2(3)			
RENAME				
SQL> rename Customer to customer_details;				
Table renamed.				
TRUNCATE				
SQL> truncate table customer_details;				
Table truncated.				

SQL> desc customer_details;

Name	Null? Type		
CID	NOT NULL NUMBER(10)		
CNAME	VARCHAR2(30)		
PHNO	NUMBER(10)		
AGE	VARCHAR2(3)		
SQL> select * from customer_details;			

DROP

SQL> drop table customer_details;

Table dropped.

no rows selected

SQL> select * from customer details;

select * from customer_details

*

ERROR at line 1:

ORA-00942: table or view does not exist

DML COMMANDS

SQL> create table Customer(cid number(3),cname varchar(30),phno number(10),constraint pk3 primary key(cid));

Table created.

INSERT

1

rahu

9876556789

SQL> insert into Customer values (1,'rahu',9876556789); 1 row created. SQL> insert into Customer values(&cid,'&cname',&phno); Enter value for cid: 2 Enter value for cname: nidha Enter value for phno: 8388898988 old 1: insert into Customer values(&cid,'&cname',&phno) new 1: insert into Customer values(2,'nidha',8388898988) 1 row created. SQL>/ Enter value for cid: 3 Enter value for cname: nilan Enter value for phno: 9234567898 old 1: insert into Customer values(&cid,'&cname',&phno) new 1: insert into Customer values(3, 'nilan', 9234567898) 1 row created. **UPDATE** SQL> update Customer set cname='nandhu' where cid=3; 1 row updated. SQL> select* from Customer; CID **CNAME PHNO**

2	nidha	9234567898
3	nandhu	9234567898

SQL> delete from Customer where cid<3;

2 rows deleted.

SQL> select* from Customer;

CID	CNAME	PHNO
3	nandhu	9234567898

INTEGRITY CONSTRAINTS

SQL> create table Customer(cid number(3),cname varchar(30),age number(3) constraint ch check(age>=18),phno number(10),constraint pk3 primary key(cid));

Table created.

SQL> create table Service(sid number(3) constraint pk4 primary key,cid number(3),fname varchar(15) not null,lname varchar(15) null,issue varchar(15) not null,model varchar(20),phno number(10),constraint fk2 foreign key(cid) references Customer(cid));

Table created.

SQL> insert into Customer values(&cid,'&cname',&age,'&phno');

Enter value for cid: 1

Enter value for cname: bharathi

Enter value for age: 42

Enter value for phno: 9942787433

old 1: insert into Customer values(&cid,'&cname',&age,'&phno')

new 1: insert into Customer values(1,'bharathi',42,'9942787433')

1 row created.

SQL > /

Enter value for cid: 2

Enter value for cname: karthi

Enter value for age: 22

Enter value for phno: 9234566543

old 1: insert into Customer values(&cid,'&cname',&age,'&phno')

new 1: insert into Customer values(2,'karthi',22,'9234566543')

1 row created.

SQL > /

Enter value for cid: 3

Enter value for cname: sibi

Enter value for age: 21

Enter value for phno: 9898985678

old 1: insert into Customer values(&cid,'&cname',&age,'&phno')

new 1: insert into Customer values(3,'sibi',21,'9898985678')

1 row created.

SQL>/

Enter value for cid: 4

Enter value for cname: suriya

Enter value for age: 23

Enter value for phno: 7569842310

old 1: insert into Customer values(&cid,'&cname',&age,'&phno')

new 1: insert into Customer values(4,'suriya',12,'7569842310')

insert into Customer values(4,'suriya',12,'7569842310')

*

ERROR at line 1:

ORA-02290: check constraint (SYSTEM.CH) violated

SQL> select * from customer;

CID	CNAME	AGE	PHNO
 			-
1	bharathi	42	9942787433
2	karthi	22	9234566543
3	sibi	21	9898985678

SQL> desc customer;

Name	Null? Type
CID	NOT NULL NUMBER(10)
CNAME	VARCHAR2(30)
AGE	NUMBER(3)
PHNO	NUMBER(10)

SQL> insert into Service values(&sid,&cid,'&fname','&lname','&issue','&model',&phno);

Enter value for sid: 1

Enter value for cid: 1

Enter value for fname: bharathi

Enter value for lname: p

Enter value for issue: battery damage

Enter value for model: dell ins 15

Enter value for phno: 9942787433

old 1: insert into Service values(&sid,&cid,'&fname','&issue','&model',&phno)

new 1: insert into Service values(1,1,'bharathi','p','battery damage','dell ins 15

',9942787433)

1 row created.

SQL>/

Enter value for sid: 2

Enter value for cid: 2

Enter value for fname: karthi

Enter value for lname:

Enter value for issue: screen damage

Enter value for model: hp 14s

Enter value for phno: 9234566543

old 1: insert into Service values(&sid,&cid,'&fname','&lname','&issue','&model',&phno)

new 1: insert into Service values(2,2,'Ragu',",'screen damage','hp 14s',9234566543)

1 row created.

SQL> select * from service;

SID CID FNAME LNAME ISSUE MODEL PHNO

1	1	bharathi	p	battery damage	dell ins 15
99427	87433				
2	2	Izorthi		garaan damaga h	p 14s 9234566543
_	_	karthı		screen damage in	ID 148 9234300343

Conduct of Experiment(30)	
Record (20)	
Viva (10)	
Total(60)	

RESULT:

Thus the DDL commands such as create, alter, drop, truncate, rename, DML commands such as Insert, Update, Delete and Integrity Constraint such as Primary key, Foreign key, Unique key, Default, Null and Not Null was executed successfully.