Name Nikhil Grupta ROU No. 20051523 Batch CSE-06 Branch CSE Subject DBM8

> Assignment 2 (Dota Definition Longueges)

STUDENT Table

(Studentld, Last, Figst, Street, City, State, Zip, StartTerm, BirthDate, FacultyID, Majord, Phone);

· Creating Student Table

Create table STUDENT (Student ID Number Grenerated By Default AS IDENTITY, last varichar 2 (10),

Figst varchar (10),

Street varchar (10),

city varchar (10),

8 fate varchar (10),

zip int,

Stand Term int,

BirthDate date,

Faculty ID int,
Major ID int,
Phone int);

SQL> desc student Name	Null	?	Туре
STUDENTID LAST FIRST STREET CITY STATE ZIP STARTTERM BIRTHDATE	NOT		NUMBER VARCHAR2(10) VARCHAR2(10) VARCHAR2(10) VARCHAR2(10) VARCHAR2(10) NUMBER(38) NUMBER(38) DATE
FACULTYID MAJORID PHONE			NUMBER(38) NUMBER(38) NUMBER(38)

Insorting Values Into Student
Insert Into Student
VALUES ('H', 'Ledwani', 'Ankit', 'Bondona', 'Mumbai', 'MH',
'400050', '2022', TO_DATE ('2001-01-30', YYYYMM-DD'), '126', '459', '8054327563');

SQL> selec	t * from st	udent;									
STUDENTID	LAST	FIRST	STREET	CITY	STATE	ZIP	STARTTERM	BIRTHDATE	FACULTYID	MAJORID	PHONE
2 3 4	Gupta Ledwani Oberoi Gupta Sharma	Manas Ankit Anant Nikhil Rohan	Inderlok Bandra Chhavani Garhi HauzKhas	C_Delhi Mumbai Indore Dehradun Delhi	Delhi MH MP UK Delhi	110035 400050 452001 248003 110016	2022 2017 2020	13-NOV-06 30-JAN-01 15-MAY-94 30-APR-02 23-MAR-02	125 126 127 123 124	459 460 456	8006970563 8054327563 9065327563 8273011131 9568391020

```
Faculty Table
```

(Facultyld, Name, Roomld, Phone, Deptld);

Creating Faculty Table

Create table Faculty (faculty ID Number Grenerated by Defoutle as Identity), Name varichar 2 (10),

Roomld int, Phone int, Deptld int);

SQL> desc faculty; Name	Null?	Туре
FACULTYID NAME ROOMID PHONE DEPTID	NOT NULL	NUMBER VARCHAR2(10) NUMBER(38) NUMBER(38) VARCHAR2(10)

Inserting Values Into Faculty
Insert Into Faculty values ('0001', 'Himansu Das', '101',
'9756345823', '051001');

```
SQL> select * from faculty 2 ;

FACULTYID NAME ROOMID PHONE DEPTID

1 HimansuDas 101 9756345823 OS1001
2 Rajdeep 201 9754345823 DB2001
3 Debashish 301 8647543823 WT3001
4 Itishri 401 7641233823 BC4001
5 Manoj 501 8745633843 CA5001
```

COURSE Table

Creating Course Table

Create table course (course ID, Title varchar (10), Credits

Varchar (10); Preseq varchar (20);

PRIMARY KEY (course ID));

SQL> desc course;		
Name	Null?	Type
COURSEID	NOT NULL	NUMBER
TITLE		VARCHAR2(10)
CREDITS		VARCHAR2(10)
PREREQ		VARCHAR2(20)

Inserting Into Course VALUES ('1001', 'Web Dev', 'Angela Yu', 'HTML');

```
SQL> select * from course;
  COURSEID TITLE
                      CREDITS
                                 PREREQ
      1001 WebDev
                     AngelaYu
                                 HTML
      2002 DSA
                     AbdulBari
                                 C/C++
      3003 Python
                     ColtSteele None
                     Nikhil
     4004 AI
                                Python
      5005 Blockchain Rajdeep
                                Solidity
```

CRSSECTION Table

Max Court int,

Creating CRS SECTION Table

```
Counte table CR88ECTION (&CSID, Counte ID int UNIQUE, Section int,

TermID int,

FacultyID int,

Day varchor(10),

StartTime int,

EndTime int,

RoomID int,
```

CHECK (Max Count <= 10), PRIMARY KEY (CSID));

Name	Null?	Type
CSID COURSEID SECTION TERMID FACULTYID DAY	NOT NULL	NUMBER NUMBER(38) VARCHAR2(5) NUMBER(38) NUMBER(38) VARCHAR2(10)
STARTTIME ENDTIME ROOMID MAXCOUNT		VARCHAR2(10) VARCHAR2(10) NUMBER(38) NUMBER(38)

Insorting Into CRSSECTION

Insord Into CRSSECTION VALUES (1001, 1523, 24, 0122, '456', 'Monday', 8:30', 9:30', 101', 10')

SQL>	select	* from cr	ssection	on;						
	CSID	COURSEID	SECTI	TERMID	FACULTYID	DAY	STARTTIME	ENDTIME	ROOMID	MAXCOUNT
	1001	1523	24	122	456	Monday	08:30	09:30	101	10
	2002	1524	06	222	457	Monday	09:30	10:30	201	10
	3003	1525	17	322	458	Monday	10:30	11:30	301	10
	4004	1526	08	422	459	Monday	11:30	12:30	401	10
	5005	1527	12	522	460	Monday	12:30	01:30	501	10

TERM Table

Create table term (Term ID Number Generated by Default
AS IDENTITY, Term Desc varcher (20),

Stood Date date, Encl Date date);

SQL> desc term; Name	Null?	Туре
TERMID TERMDESC STARTDATE ENDDATE	NOT NULL	NUMBER VARCHAR2(20) DATE DATE

Insorting Into TERM

Insert Into Term Values (1001', 'Mid Term', TO_DATE ('2022-01-05);

'YYYY-MM-DD'), TO_DATE ('2022-06-20', YYYY-MM-DD'));

SQL> select * from term;	
TERMID TERMDESC	STARTDATE ENDDATE
1001 MidTerm	03-JAN-22 20-JUN-22
2002 MidTerm	03-JAN-21 20-JUN-21
3003 FinalTerm	03-APR-22 20-JUN-21
4004 FinalTerm	03-APR-22 20-JUN-21
5005 FinalTerm	03-APR-22 20-JUN-21
6006 MidTerm	03-JAN-22 20-JUN-22
6 rows selected.	

ROOM Table

Coreste table ROOM (ROOMType varchar2 (10), Room Desc Varchar2 (20));

```
SQL> desc room

Name Null? Type

ROOMTYPE VARCHAR2(10)

ROOMDESC VARCHAR2(20)
```

Inserting Values Into Room insort into 9100m Values ('AC', '3 Bed AC');

```
SQL> select * from room;

ROOMTYPE ROOMDESC

AC 3BedAC
```

NonAC 3_BedNonAC NonAC 2_BedNonAC NonAC 1_BedNonAC

2_BedAC

Registration Table

Creating Registration Table

Oreate table Registration (studential, CBID int, midtern varchar(10), final varchar(10), 9eg8totus varchar(20));

SQL> desc registration; Name	Null?	Туре
STUDENTID CSID MIDTERM FINALREGSTATUS	NOT NULL	NUMBER NUMBER(38) VARCHAR2(20) VARCHAR2(20)

Inserting Into Registration

Insert Into Registration values ('1005', '127', 'June', 'Rejected');

SQL> select *	from reg	gistration;	
STUDENTID	CSID	MIDTERM	FINALREGSTATUS
1001	123	March	Approved
1002	124	March	Rejected
1003	125	June	Approved
1004	126	June	Approved
1005	127	June	Rejected

Department Table

Creating Department Table

Create table department (Dept1D Number Gronorated By Defoult As Identity, DoptName varchan (20), Faculty1D int UNIQUE);

SQL> desc departmen	nt	
Name	Null?	Type
DEPTID	NOT NULL	NUMBER
DEPTNAME		VARCHAR2(20)
FACULTYID		NUMBER(38)

Inserting Into Department

Insert Into department values ("1001", 'Maths', '1523');

SQL> select	t * from department;	
DEPTID	DEPTNAME	FACULTYID
1001	Maths	1523
2002	DSA	1524
3003	DBMS	1525
4004	OOP	1526
5005	OS	1527

Major Table

Creating Major Table

Create table Major (Major ID NUMBER GENERATED BY DEFAULT AS IDENTITY, Major Desc Vanchan 2 (20));

SQL> desc major Name	Null?	Type
MAJORID MAJORDESC	NOT NULL	NUMBER VARCHAR2(20)

Inserting Into Major Table Insert into Major Values ('1001', 'DSA');

```
SQL> select * from major;

MAJORID MAJORDESC

1001 DSA
2002 OOP
3003 JAVA
4004 OS
5005 DBMS
```

Location Table

Cereating Location Table

Oreate table Location (Room ID Number Generated by Defauts
As Identity, Building variation (20), Room Vo int, Capacity
int, Room Type variation (20), check (capacity <= 3));

SQL> desc location; Name	Null?	Type
ROOMID BUILDING ROOMNO CAPACITY ROOMTYPE	NOT NULL	NUMBER VARCHAR2(20) NUMBER(38) NUMBER(38) VARCHAR2(20)

Insold Indo Location Table

insort into Location values (1001', 'WingA', '601', '3', 'AC');

SQL> select	t * from location;			
ROOMID	BUILDING	ROOMNO	CAPACITY	ROOMTYPE
1001	WingA	601	3	AC
2002	WingB	501	2	NonAC
3003	WingC	401	1	AC
4004	WingD	301	3	NonAC
5005	WingE	201	2	NonAC

Employee Table

Create table employee (Employee ID. int, Lnome Varchar (20), Frame varchor (20), Position ID int, Supervisor Varchar (20), HireDate date, Solary int, Comission int, Dept ID int, Supervisor (20), PRIMARY KEY (Employee IP));

SQL> desc employee; Name	Nul	1?	Туре
EMPLOYEEID	NOT	NULL	NUMBER(38)
LNAME			VARCHAR2(20)
FNAME			VARCHAR2(20)
POSITIONID			NUMBER(38)
SUPERVISOR			VARCHAR2(20)
HIREDATE			DATE
SALARY			NUMBER(38)
COMMISSION			NUMBER(38)
DEPTID			NUMBER(38)
QUALID			VARCHAR2(20)

Insert Into Employee

Insert Into employee values ('1001', 'Grupta', 'Nikhil', '0001', 'Rohan', 'TO_DATE ('2020-04-30', 'YYYY-MM-DD'), '56000', '10000', '1523', '1234');

SQL> select	* from employee;								
EMPLOYEEID	LNAME	FNAME	POSITIONID	SUPERVISOR	HIREDATE	SALARY	COMMISSION	DEPTID	QUALID
	Gupta	Nikhil		Rohan	30-APR-20	61600	10000		1234
	Sharma Ledwani	Rohan Rahul		Manas Privanshu	12-FEB-19 23-APR-21	30000 45000	5000 5000	2002 3003	1254
	Kapoor	Vedika		Avantika	25-JUN-18	65000	8000		1256
5005	Sanon	Kriti	4	Anupriya	21-JUL-18	42000	0	5005	1257

Position Table

Creating Position Table

Create table position (position ID int, Pos Desc varchas (20),
PRIMARY KEY (Position ID);

SQL> desc position Name	Null?	Туре
POSITIONID POSDESC	NOT NULL	NUMBER(38) VARCHAR2(20)

Inserting Into Position Table insert into position values ('1001', 'CEO');

```
SQL> select * from position;

POSITIONID POSDESC

1001 CEO
2002 MD
3003 SD
4004 HR
5005 Manager
```

DEPT Table

Creating Dept Table

Create table dept (dept1D int, DeptName varchar(20), location varchar (20), Employee ID varchar (20), PRIMARY KEY (DEPTID));

SQL> desc dept; Name	Nul	1?	Туре
DEPTID	NOT	NULL	NUMBER(38)
DEPTNAME			VARCHAR2(20)
LOCATION			VARCHAR2(20)
EMPLOYEEID			VARCHAR2(20)

Insert Into Dept Table insert into dept Values ('1101', 'CSE', 'KIIT', '1001');

SQL> select	* from dept;		
DEPTID	DEPTNAME	LOCATION	EMPLOYEEID
1101	CSE	KIIT	1001
2202	MCH	KIIT	2002
3303	ETH	KIIT	3003
4404	ETC	KIIT	4004
5505	CSE	KIIT	5005

Dustification Table

Creating gualification

Create table qualifications talues (QualID int, Qual Desc. Varchar (20), PRIMARY KEY (QualID));

```
SQL> desc qualification;
Name Null? Type
-----
QUALID NOT NULL NUMBER(38)
QUALDESC VARCHAR2(20)
```

Insert Into qualification values (1234, 'Graduation'),

```
SQL> select * from qualification;

QUALID QUALDESC

1234 Graduation
1254 PhD
1255 HighSchool
1256 Masters
1257 Bachelor
```

EMPLEVEL

Creating EMPLEVEL

Oreate table EMPLEVEL (Level No int, Low Salary int, High Balary int);

SQL> desc emplevel	;	
Name	Null?	Type
LEVELNO		NUMBER/201
LOWSALARY		NUMBER(38) NUMBER(38)
HIGHSALARY		NUMBER(38)
		` '

Insort into EMPLEVEL Table
insort into EMPLEVEL values ('1', '30000', '60000');

SQL> select 2 ;	* from emp	olevel	
LEVELNO	LOWSALARY	HIGHSALARY	
1	30000	60000	
2	25000	55000	
3	20000	50000	
4	15000	45000	
5	10000	40000	

DEPENDENT Table

Creating Table Depondent

Create table dependent (Employee ID int, Dependent ID. int, Dependent ID. int, Depondent ID. int, Dependent ID. int, Dependent ID. int, Dependent ID. int, Depondent ID. int, Dependent ID. int, Dependent

SQL> desc dependent					
Name	Null?		Type		
EMPLOYEEID	NOT	NULL	NUMBER(38)		
DEPENDENTID			NUMBER(38)		
DEPDOB			DATE		
RELATION			VARCHAR2(20)		

Insert Into Depondent Table

insert into dependent values ('1001', '1', TO-DATE ('2018-02-191', ' YYYY-MM-DD'), 'Spouse');

```
SQL> select * from dependent;

EMPLOYEEID DEPENDENTID DEPDOB RELATION

1001 1 19-FEB-18 Spouse
2002 2 04-FEB-17 Daughter
3003 3 04-MAY-16 Son
4004 4 23-JUN-21 Son
5005 5 12-JUN-20 Son
```