

**Assignment 11**

1. Create table course with fields:ccode(PK), cname(Unique),fee  
create table course\_050(ccode number(10),cname varchar(20),fee number(10),constraint co\_050 primary key(ccode),constraint cname\_60 unique(cname));  
desc course\_050;

**Workspace**

Enter SQL, PL/SQL and SQL\*Plus statements.

desc course\_050;

Execute Load Script Save Script Cancel

Name	Null?	Type
CCODE	NOT NULL	NUMBER(10)
CNAME		VARCHAR2(20)
FEE		NUMBER(10)

2. Create table student with following fields: RollNo(PK), Sname, DOB(not Null), Coursecode(FK), Year of admission

create table student\_50(rollno number(10), sname varchar(10),dob date not null,ccode number(10),  
yoa number(5),constraint roll\_50 primary key(rollno),constraint c\_50 foreign key(ccode) references  
course\_050(ccode));  
desc student\_50;

**Workspace**

Enter SQL, PL/SQL and SQL\*Plus statements.

desc student\_50;

Execute Load Script Save Script Cancel

Name	Null?	Type
ROLLNO	NOT NULL	NUMBER(10)
SNAME		VARCHAR2(10)
DOB	NOT NULL	DATE
CCODE		NUMBER(10)
YOA		NUMBER(5)

3. Insert 5 records in each table

insert into course\_050 values(1010,'BCA',120000);

**Workspace**

Enter SQL, PL/SQL and SQL\*Plus statements.

insert into course\_050 values(1010,'BCA',120000);

Execute Load Script Save Script Cancel

1 row created.

## DBMS PRACTICAL FILE

```
insert into course_050 values(1020,'BBACAM',100000);
insert into course_050 values(1030,'MCA',160000);
insert into course_050 values(1040,'BCOM',130000);
insert into course_050 values(1050,'BA',100000);
select * from course_050;
```

### Workspace

Enter SQL, PL/SQL and SQL\*Plus statements.

```
select * from course_050;
```

CNAME	CCODE	FEE
BCA	1010	120000
BBACAM	1020	100000
MCA	1030	160000
BCOM	1040	130000
BA	1050	100000

```
insert into student_50 values(101,'Sneha','04-Oct-2004',1010,2022);
```

### Workspace

Enter SQL, PL/SQL and SQL\*Plus statements.

```
insert into student_50 values(101,'Sneha','04-Oct-2004',1010,2022);
```

1 row created.

```
insert into student_50 values(102,'Shruti','06-May-2003',1020,2019);
insert into student_50 values(103,'Reet','13-Jan-2003',1030,2022);
insert into student_50 values(104,'Viraj','16-May-2000',1040,2011);
insert into student_50 values(105,'Faisal','17-June-2004',1040,2020);
select * from student_50;
```

### Workspace

Enter SQL, PL/SQL and SQL\*Plus statements.

```
select * from student_50;
```

ROLLNO	SNAME	DOB	CCODE	YOA
101	Sneha	04-OCT-04	1010	2022
102	Shruti	06-MAY-03	1020	2019
103	Reet	13-JAN-03	1030	2022
104	Viraj	16-MAY-00	1040	2011
105	Faisal	17-JUN-04	1040	2020

## 4. Find the age of the students

```
select months_between ('7-june-2023',dob) from student_50;
```

## Workspace

Enter SQL, PL/SQL and SQL\*Plus statements.

```
select months_between ('7-june-2023',dob) from student_50;
```

Execute Load Script Save Script Cancel

MONTHS_BETWEEN('7-JUNE-2023',DOB)	
	224.096774
	241.032258
	244.806452
	276.709677
	227.677419

## 5. Find the roll no, Name, course name of every student

```
select rollno,sname,cname from student_50 s,course_050 c where s.ccode=c.ccode;
```

## Workspace

Enter SQL, PL/SQL and SQL\*Plus statements.

```
select rollno,sname,cname from student_50 s,course_050 c
where s.ccode=c.ccode;
```

Execute Load Script Save Script Cancel

ROLLNO	SNAME	CNAME
101	Sneha	BCA
102	Shruti	BBACAM
103	Reet	MCA
104	Viraj	BCOM
105	Faisal	BCOM

## 6. Find the details of the students who are in BBACAM course

```
select * from student_50 where ccode=(select ccode from course_050 where cname='BBACAM');
```

## Workspace

Enter SQL, PL/SQL and SQL\*Plus statements.

```
select * from student_50 where ccode=(select ccode from
course_050 where cname='BBACAM');
```

Execute Load Script Save Script Cancel

ROLLNO	SNAME	DOB	CCODE	YOA
102	Shruti	06-MAY-03	1020	2019

## 7. Display records of students in ascending order of YOA.

```
select * from student_50 order by yoa;
```

## Workspace

Enter SQL, PL/SQL and SQL\*Plus statements.

```
select * from student_50 order by yoa;
```

Execute Load Script Save Script Cancel

ROLLNO	SNAME	DOB	CCODE	YOA
104	Viraj	16-MAY-00	1040	2011
102	Shruti	06-MAY-03	1020	2019
105	Faisal	17-JUN-04	1040	2020
101	Sneha	04-OCT-04	1010	2022
103	Reet	13-JAN-03	1030	2022

8. Find the number of students who have taken admission year wise

select yoa,count(rollno) from student\_50 group by yoa;

#### Workspace

Enter SQL, PL/SQL and SQL\*Plus statements.

```
select yoa,count(rollno) from student_50 group by yoa;
```

Execute Load Script Save Script Cancel

YOYA	COUNT(ROLLNO)
2011	1
2019	1
2020	1
2022	2

9. Find the details of the students who are in the course in which student with roll no 101 studies

select \* from student\_50 where ccode=(select ccode from student\_50 where rollno=101);

#### Workspace

Enter SQL, PL/SQL and SQL\*Plus statements.

```
select * from student_50 where ccode=(select ccode from
student_50 where rollno=101);
```

Execute Load Script Save Script Cancel

ROLLNO	SNAME	DOB	CCODE	YOYA
101	Sneha	04-OCT-04	1010	2022

10. Find the details of the students who have paid the fees for the costliest course.

select \* from student\_50 where ccode=(select ccode from course\_050 where fee=(select max(fee) from course\_050));

#### Workspace

Enter SQL, PL/SQL and SQL\*Plus statements.

```
select * from student_50 where ccode=(select ccode from
course_050 where fee=(select max(fee) from course_050));
```

Execute Load Script Save Script Cancel

ROLLNO	SNAME	DOB	CCODE	YOYA
103	Reet	13-JAN-03	1030	2022