

**B.M.S COLLEGE OF ENGINEERING BENGALURU**  
Autonomous Institute, Affiliated To VTU

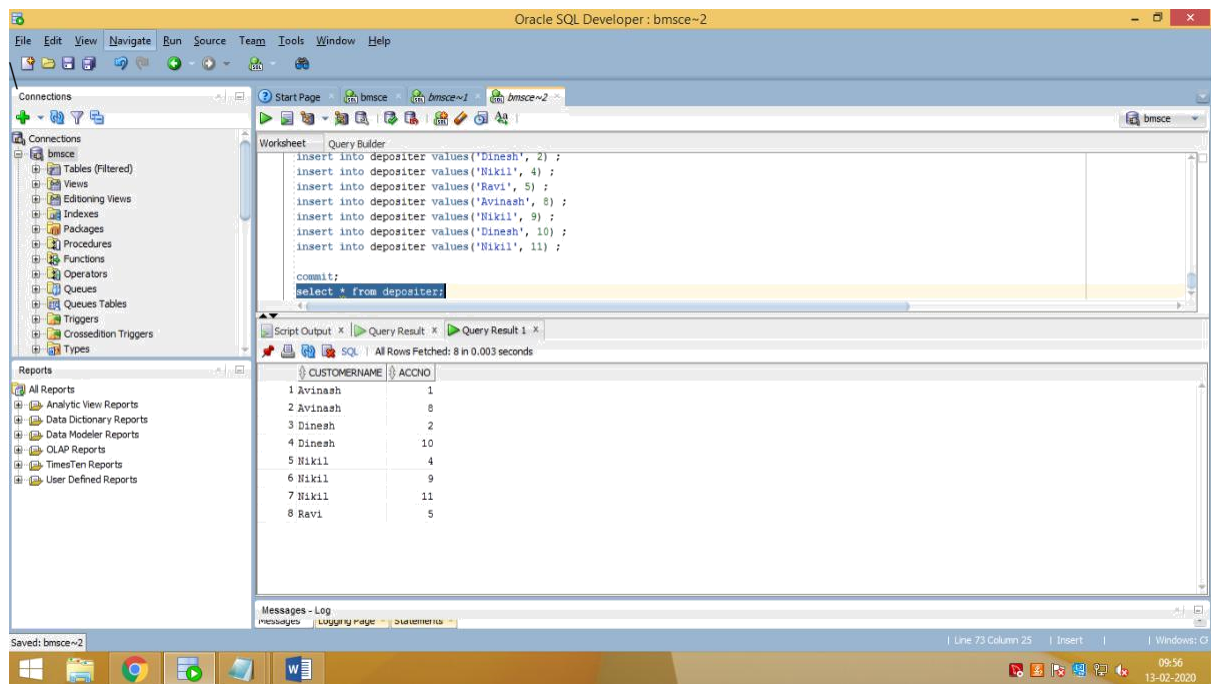
Bachelor of Engineering  
in  
Computer Science and Engineering

Submitted by:  
**SUMAN KUMAR PAL**  
USN Number: - 1BM18CS111

Lab : DBMS

Faculty in-charge : Panimozhi K

Lab in-charge : Pallavi Gb



create user suman identified by suman123;

grant dba to suman;

create table branch( branchname varchar(10),branchcity varchar(20),assets real, primary key(branchname));

desc branch

```
create table bankaccount( accno int,branchname varchar(30),balance real,  
primary key(accno),foreign key(branchname) references branch(branchname));
```

desc bankaccount

```
create table bankcustomer( customername varchar(30),customerstreet varchar(30),customercity  
varchar(30), primary key(customername));
```

desc bankcustomer

```
create table depositer( customername varchar(30),accno int, primary key(customername,accno),  
foreign key(customername) references bankcustomer(customername),foreign key(accno) references  
bankaccount(accno));
```

desc depositer

```
create table loan(loannumber int,branchname varchar(30), amount real, primary key(loannumber),  
foreign key(branchname) references branch (branchname));
```

```
desc loan
```

```
alter table branch
```

```
modify branchname varchar (40);
```

```
insert into branch values ('SBI_Chamrajpet' , 'Bangalore' , 50000) ;  
insert into branch values ('SBI_ResidencyRoad' , 'Bangalore' , 10000)  
; insert into branch values ('SBI_ShivajiRoad' , 'Bombay' , 20000);  
insert into branch values ('SBI_parlimentRoad' , 'Delhi' , 10000);  
insert into branch values ('SBI_Jantarmantra' , 'Delhi' , 20000);
```

```
select * from branch;
```

1	SBI_Chamrajpet	Bangalore	50000
2	SBI_ResidencyRoad	Bangalore	10000
3	SBI_ShivajiRoad	Bombay	20000
4	SBI_parlimentRoad	Delhi	10000
5	SBI_Jantarmantra	Delhi	20000

```
insert into loan values(2, 'SBI_ResidencyRoad' ,2000) ;  
insert into loan values(1, 'SBI_Chamrajpet' , 1000) ;  
insert into loan values(3, 'SBI_ShivajiRoad' ,3000) ;  
insert into loan values(4, 'SBI_parlimentRoad' ,4000) ;  
insert into loan values(5, 'SBI_Jantarmentar' ,5000) ;
```

```
select * from loan;
```

	LOANNUMBER	BRANCHNAME	AMOUNT
1	2	SBI_ResidencyRoad	2000
2	1	SBI_Chamrajpet	1000
3	3	SBI_ShivajiRoad	3000
4	4	SBI_parlimentRoad	4000
5	5	SBI_Jantarmentar	5000

```
insert into bankaccount values(1, 'SBI_Chamrajpet' ,2000) ;
```

```
insert into bankaccount values(2, 'SBI_ResidencyRoad' ,5000) ;
```

```
insert into bankaccount values(3, 'SBI_ShivajiRoad' ,6000) ;
```

```
insert into bankaccount values(4, 'SBI_parlimentRoad' ,9000) ;
```

```
insert into bankaccount values(5, 'SBI_Jantarmentar' ,8000) ;
```

```
insert into bankaccount values(6, 'SBI_ShivajiRoad' ,4000) ;
```

```
insert into bankaccount values(8, 'SBI_ResidencyRoad' ,4000) ;
```

```
insert into bankaccount values(9, 'SBI_parlimentRoad' ,3000) ;
```

```
insert into bankaccount values(10, 'SBI_ResidencyRoad' ,5000) ;
```

```
insert into bankaccount values(11, 'SBI_Jantarmentar' ,2000);
```

```
select * from bankaccount;
```

	A...	BRANCHNAME	BALANCE
1	1	SBI_Chamrajpet	2000
2	2	SBI_ResidencyRoad	5000
3	3	SBI_ShivajiRoad	6000
4	4	SBI_parlimentRoad	9000
5	5	SBI_Jantarmentar	8000
6	6	SBI_ShivajiRoad	4000
7	8	SBI_ResidencyRoad	4000
8	9	SBI_parlimentRoad	3000
9	10	SBI_ResidencyRoad	5000
10	11	SBI_Jantarmentar	2000

```
commit;
```

```
DELETE FROM bankaccount;
```

```
insert into bankcustomer values('Avinash', 'Bull_Temple_road' , 'Bangalore') ;
```

```
insert into bankcustomer values('Dinesh', 'Bannerghatta_road' , 'Bangalore') ;
```

```
insert into bankcustomer values('Mohan', 'NationalCollege_road' , 'Bangalore') ;
```

```
insert into bankcustomer values('Nikil', 'Akbar_road' , 'Delhi') ; insert into  
bankcustomer values('Ravi', 'Prithviraj_road' , 'Delhi') ;
```

```
commit;
```

```
select * from bankcustomer;
```

	CUSTOMERNAME	CUSTOMERSTREET	CUSTOMERCITY
1	Avinash	Bull_Temple_road	Bangalore
2	Dinesh	Bannergatta_road	Bangalore
3	Mohan	NationalCollege_road	Bangalore
4	Nikil	Akbar_road	Delhi
5	Ravi	Prithviraj_road	Delhi

insert into depositer values('Avinash', 1) ;

insert into depositer values('Dinesh', 2) ;

insert into depositer values('Nikil', 4) ;

insert into depositer values('Ravi', 5) ;

insert into depositer values('Avinash', 8) ;

insert into depositer values('Nikil', 9) ;

insert into depositer values('Dinesh', 10) ;

insert into depositer values('Nikil', 11) ;

	CUSTOMERNAME	ACCNO
1	Avinash	1
2	Avinash	8
3	Dinesh	2
4	Dinesh	10
5	Nikil	4
6	Nikil	9
7	Nikil	11
8	Ravi	5



```
commit;
```

```
select * from depositer;
```