

```
SQL> select * from ncourse;
```

CCODE	CNAME	CREDIT	CTYPE
CS203	Computer Architecture	4	Elective
CS204	Database System	4	Core
CS205	Data Science	4	Core
CS206	Probability	2	Open Elective
CS207	Machine Learning	2	Elective
CS208	Human Values	1	Open Elective
CS209	Artificial Intelligence	4	Core
EC208	Circuit Design	4	Elective
EC209	Circuit Organistion	2	Open Elective
ME208	Materials for Engineering	4	Elective
ME209	Manufacturing Design	2	Open Elective
CS507	Automata Theory	4	Elective
CS508	Data Structures	2	Core
CS509	OOPS	2	Core

```
14 rows selected.
```

```
SQL> select * from student;
```

ROLLNO	SNAME	G CITY	EMAIL
CS21B2036	Harsha	M Nellore	harsha@yahoo.com
CS21B2045	Srinivas	M Vijayawada	tlsrinivas@yahoo.com
CS21B2006	Rahul	M Hyderabad	cs21b2006@iiitdm.ac.in
CS21B2039	Varun	M Kurnool	varunreddy@gmail.com
CS21B2038	Venkat	M Secundrabad	cs21b2038@iiitdm.ac.in
CS21B2037	Vishnu	M Palvancha	cs21b2037@iiitdm.ac.in
CS21B2023	Devansh	M Vijayawada	ldev@yahoo.com
CS21B1081	Sujan	M Vijayawada	cs21b1081@iiitdm.ac.in
CS21B2026	Abhiram	M Nellore	abhiram@gmail.com
CS21B2017	Lokesh	M Vijayawada	loki987@yahoo.com
CS21B2046	Sindhu	F Delhi	sindhu@gmail.com
CS21B2047	Priyanka	F Delhi	s4priyanka@yahoo.com
CS21B2048	Lakshmi	F Secundrabad	s3lakshmi@yahoo.com
CS21B2049	Pujitha	F Delhi	cs21b2049@iiitdm.ac.in

```
14 rows selected.
```

```
SQL> create view cscourses as select cname from ncourse where ccode like 'CS%';
```

View created.

```
SQL> select * from cscourses;
```

CNAME

-----

Computer Architecture

Database System

Data Science

Probability

Machine Learning

Human Values

Artificial Intelligence

Automata Theory

Data Structures

OOPS

10 rows selected.

```
SQL> create view studname as select sname from student where sname like 'a%' AND gender='M';
```

View created.

```
SQL> select * from studname;
```

SNAME
-------

-----
Harsha

```
SQL> select * from notenroll;
```

ROLLNO	SNAME	G CITY	EMAIL
CS21B1081	Sujan	M Vijayawada	cs21b1081@iiitdm.ac.in
CS21B2006	Rahul	M Hyderabad	cs21b2006@iiitdm.ac.in
CS21B2023	Devansh	M Vijayawada	ldev@yahoo.com
CS21B2026	Abhiram	M Nellore	abhiram@gmail.com
CS21B2036	Harsha	M Nellore	harsha@yahoo.com
CS21B2037	Vishnu	M Palvancha	cs21b2037@iiitdm.ac.in
CS21B2038	Venkat	M Secundrabad	cs21b2038@iiitdm.ac.in
CS21B2039	Varun	M Kurnool	varunreddy@gmail.com
CS21B2045	Srinivas	M Vijayawada	tlsrinivas@yahoo.com
CS21B2046	Sindhu	F Delhi	sindhu@gmail.com
CS21B2047	Priyanka	F Delhi	s4priyanka@yahoo.com
CS21B2048	Lakshmi	F Secundrabad	s3lakshmi@yahoo.com
CS21B2049	Pujitha	F Delhi	cs21b2049@iiitdm.ac.in

```
13 rows selected.
```

```
SQL> create view mincredit as select cname from ncourse where credit in (select min(credit) from ncourse);
```

View created.

```
SQL> select * from mincredit;
```

CNAME

-----

Human Values

```
SQL> create view not2020 as select cname from ncourse where ccode in (select ccode from enrolled where YoE!=2020);
```

```
View created.
```

```
SQL> select * from not2020;
```

```
CNAME  
-----
```

```
Computer Architecture  
Database System  
Data Science  
Probability  
Human Values  
Artificial Intelligence  
Automata Theory  
Data Structures  
Circuit Design  
Circuit Organisation  
Materials for Engineering  
Manufacturing Design
```

```
12 rows selected.
```

```
SQL> create view student5 as select distinct (rollno) from enrolled group by rollno having count(rollno)>=5;
```

View created.

```
SQL> select * from student5;
```

```
ROLLNO  
-----  
CS21B2045  
CS21B2006
```

```
SQL> create view enroll as select ccode from enrolled where rollno='CS21B2006';
```

View created.

```
SQL> select * from enroll;
```

```
CCODE
-----
CS209
CS509
CS507
CS205
CS206
```

```
SQL> select count(ccode) from enroll;
```

```
COUNT(CCODE)
-----
5
```



```
SQL> create view course5 as select * from ncourse where ccode like '__5%';
```

View created.

```
SQL> select * from ncourse;
```

CCODE	CNAME	CREDIT	CTYPE
CS203	Computer Architecture	4	Elective
CS204	Database System	4	Core
CS205	Data Science	4	Core
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CS208	Human Values	1	Open Elective
CS209	Artificial Intelligence	4	Core
EC208	Circuit Design	4	Elective
EC209	Circuit Organistion	2	Open Elective
ME208	Materials for Engineering	4	Elective
ME209	Manufacturing Design	2	Open Elective

CCODE	CNAME	CREDIT	CTYPE
CS507	Automata Theory	4	Elective
CS508	Data Structures	2	Core
CS509	OOPS	2	Core

14 rows selected.

```
SQL> select * from course5;
```

CCODE	CNAME	CREDIT	CTYPE
CS507	Automata Theory	4	Elective
CS508	Data Structures	2	Core
CS509	OOPS	2	Core

```
SQL> create view csstudent as select count(sname) as cssstudent from student where rollno like 'CS%';
```

View created.

```
SQL> select * from csstudent;
```

```
CSSSTUDENT
```

```
-----
```

```
14
```

```
SQL> create view student2020 as select rollno from enrolled where YoE=2020;
```

View created.

```
SQL> select * from student2020;
```

```
ROLLNO
-----
CS21B2006
CS21B2006
CS21B2006
CS21B2006
CS21B2006
CS21B2045
CS21B2045
CS21B2045
CS21B2026
```

9 rows selected.

```
SQL> create view as count2020 as select distinct(rollno) from student2020 group by rollno having count(rollno)>4;
create view as count2020 as select distinct(rollno) from student2020 group by rollno having count(rollno)>4
*
```

ERROR at line 1:

ORA-00999: invalid view name

```
SQL> create view count2020 as select distinct(rollno) from student2020 group by rollno having count(rollno)>4;
```

View created.

```
SQL> select * from count2020;
```

```
ROLLNO
-----
CS21B2006
```

```
SQL> create view delhcourse as select distinct(ccode) from enrolled where rollno=any(select rollno from delhistudents);
```

```
View created.
```

```
SQL> select * from delhcourse;
```

```
CCODE  
-----  
CS205
```

```
SQL> select ccode from enrolled where rollno=any(select rollno from delhistudents);
```

```
CCODE  
-----  
CS205  
CS205  
CS205  
CS205
```

```
SQL> create view mailstudents as select sname from student where email like '%yahoo.com%' or email like '%gmail.com%';
```

```
View created.
```

```
SQL> select * from mailstudents;
```

```
SNAME
```

```
-----
```

```
Harsha  
Srinivas  
Varun  
Devansh  
Abhiram  
Lokesh  
Sindhu  
Priyanka  
Lakshmi
```

```
9 rows selected.
```