```
CREATE TABLE student1(
snum INT,
sname VARCHAR(10),
major VARCHAR(10),
IvI VARCHAR(2),
age INT, primary key(snum));
SELECT * from student1;
INSERT INTO 'movie'. 'student1' ('snum', 'sname', 'major', 'lvl', 'age') VALUES ('1', 'anish', 'cs', 'jr',
'20');
INSERT INTO 'movie'. 'student1' ('snum', 'sname', 'major', 'lvl', 'age') VALUES ('2', 'arun', 'cs', 'jr',
'20');
INSERT INTO `movie`. `student1` (`snum`, `sname`, `major`, `lvl`, `age`) VALUES ('3', 'aditya', 'cs', 'jr',
'23');
INSERT INTO 'movie'. 'student1' ('snum', 'sname', 'major', 'lvl', 'age') VALUES ('4', 'shreyas', 'cs', 'jr',
'20');
INSERT INTO 'movie'. 'student1' ('snum', 'sname', 'major', 'lvl', 'age') VALUES ('5', 'tanisha', 'cs', 'jr',
'.20');
INSERT INTO `movie`. `student1` (`snum`, `sname`, `major`, `lvl`, `age`) VALUES ('6', 'sanvi', 'ec', 'jr',
'20');
INSERT INTO `movie`. 'student1` ('snum', 'sname', 'major', 'lvl', 'age') VALUES ('7', 'saikumar', 'ec',
'jr', '20');
INSERT INTO `movie`.`student1` (`snum`, `sname`, `major`, `lvl`, `age`) VALUES ('8', 'sowmya', 'cs', 'jr',
'23');
INSERT INTO 'movie'. 'student1' ('snum', 'sname', 'major', 'lvl', 'age') VALUES ('9', 'radha', 'ec', 'sr',
'20');
INSERT INTO 'movie'. 'student1' ('snum', 'sname', 'major', 'lvl', 'age') VALUES ('10', 'chaithu', 'ec',
'sr', '23');
INSERT INTO `movie`. `student1` (`snum`, `sname`, `major`, `lvl`, `age`) VALUES ('11', 'lakshmi', 'ec',
'sr', '23');
CREATE TABLE faculty(
fid INT, fname VARCHAR(20),
deptid INT,
PRIMARY KEY(fid));
```

```
select * from faculty;
INSERT INTO 'movie'. 'faculty' ('fid', 'fname', 'deptid') VALUES ('10', 'prof.Murthy', '10');
INSERT INTO 'movie'. 'faculty' ('fid', 'fname', 'deptid') VALUES ('20', 'prof.sudha', '10');
INSERT INTO 'movie'. 'faculty' ('fid', 'fname', 'deptid') VALUES ('30', 'prof.latha', '20');
CREATE TABLE class(
cname VARCHAR(20),
metts_at TIMESTAMP,
room VARCHAR(10),
fid INT,
PRIMARY KEY(cname),
FOREIGN KEY(fid) REFERENCES faculty(fid));
select * from class;
INSERT INTO `movie`. `class` (`cname`, `metts_at`, `room`, `fid`) VALUES ('4A', '11/10/20 09:50:00',
'R128', '10');
INSERT INTO 'movie'. 'class' ('cname', 'metts_at', 'room', 'fid') VALUES ('4B', '2011-10-23 09:50:00',
'R129', '20');
INSERT INTO 'movie'. 'class' ('cname', 'metts at', 'room', 'fid') VALUES ('4C', '2015-11-20 10:00:00',
'R200', '10');
INSERT INTO 'movie'. 'class' ('cname', 'metts_at', 'room', 'fid') VALUES ('3A', '2016-10-08 12:10:00',
'R201', '10');
INSERT INTO 'movie'. 'class' ('cname', 'metts_at', 'room', 'fid') VALUES ('3B', '2019-10-20 01:30:00',
'R129', '10');
CREATE TABLE enrolled(
snum INT,
cname VARCHAR(20),
PRIMARY KEY(snum,cname),
FOREIGN KEY(snum) REFERENCES student1(snum),
FOREIGN KEY(cname) REFERENCES class(cname));
select *from enrolled;
INSERT INTO 'movie'. 'enrolled' ('snum', 'cname') VALUES ('1', '4B');
INSERT INTO 'movie'.'enrolled' ('snum', 'cname') VALUES ('2', '4B');
```

```
INSERT INTO `movie`. `enrolled` (`snum`, `cname`) VALUES ('3', '4C');
INSERT INTO `movie`. `enrolled` (`snum`, `cname`) VALUES ('4', '4B');
INSERT INTO `movie`. `enrolled` (`snum`, `cname`) VALUES ('5', '4A');
INSERT INTO `movie`. `enrolled` (`snum`, `cname`) VALUES ('6', '4B');
INSERT INTO `movie`. `enrolled` (`snum`, `cname`) VALUES ('7', '3B');
INSERT INTO `movie`. `enrolled` (`snum`, `cname`) VALUES ('8', '3B');
INSERT INTO `movie`. `enrolled` (`snum`, `cname`) VALUES ('9', '3B');
INSERT INTO `movie`. `enrolled` (`snum`, `cname`) VALUES ('10', '3A');
```

SELECT DISTINCT sname

FROM Student1 S, Class C, Enrolled E, Faculty F

WHERE S.snum = E.snum AND E.cname = C.cname AND C.fid = F.fid AND

F.fname ='prof.Murthy' AND S.lvl ='JR';



SELECT C.cname

FROM Class C

WHERE C.room = 'R128'

OR C.cname IN (SELECT E.cname

FROM Enrolled E

GROUP BY E.cname

HAVING COUNT (*) >= 5);

```
FROM Student1 S
WHERE S.snum IN (SELECT E1.snum
FROM Enrolled E1, Enrolled E2, Class C1, Class C2
WHERE E1.snum = E2.snum
AND E1.cname = C1.cname
AND E2.cname = C2.cname AND C1.metts_at ='12:10:00');
    sname
   chaithu
SELECT DISTINCT F.fname
FROM Faculty F
WHERE NOT EXISTS ((SELECT C.room FROM Class C)
MINUS
(SELECT C1.room
FROM Class C1
WHERE C1.fid = F.fid ));
SELECT DISTINCT fname
FROM Faculty F WHERE 5>(SELECT COUNT (E.snum)
FROM Class C,Enrolled E WHERE C.cname=E.cname
AND C.fid=F.fid);
SELECT DISTINCT sname
FROM student1 s WHERE s.snum NOT IN(SELECT e.snum from enrolled e);
    sname
lakshmi
SELECT S.age, S.lvl
FROM student1 S
GROUP BY S.age, S.lvl
HAVING S.IVI IN(SELECT S1.IVI FROM student1 S1 WHERE S1.age=S.age
```

SELECT DISTINCT sname

GROUP BY S1.lvl,S1.age

HAVING COUNT(*)>=ALL(SELECT COUNT(*)

FROM student1 S2 WHERE S1.age=S2.age GROUP BY S2.lvl,S2.age));

	age	lvl	
•	20	jr	
	23	jr	
	0	jr	
	23	sr	