

STUDENT'S NAME

CLASS

SUBJECT

ROLL NO.

DATE

Name - Jahnvi Satish Shanbhag

USN - 18M19G065

Sub - DBMS

Section - 4B

Date - 2/6/2021

Lab test 1

→ Student enrollment database-

create database student_enroll;

use database student_enroll;

create table student(

regno varchar(20) primary key,

name varchar(20),

major varchar(20),

bdate date

);

create table course(

course_no int primary key,

cname varchar(20),

dept varchar(20)

);

create table enroll(

regno varchar(20),

course_no int,

marks int,

sem int,

primary key (reg_no, course_no),

foreign key (reg_no) references student(regno)

on delete cascade,

foreign key (course_no) references

course(course_no) on delete cascade

);



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create table text(1

book-isbn int primary key,
 book-title varchar(10),
 publisher varchar(40),
 author varchar(20)
);

create table book-adoption(

course-no INT,
 sem int,
 book-isbn int,
 foreign key (course-no) references course(course-
 no) on delete cascade,
 foreign key (book-isbn) references text(book-
 isbn) on delete cascade
);

insert into student values('CS01', 'RAM', '09', '1986-03-12');
 insert into student values('IS02', 'SMITH', '08P', '1987-12-23');

insert into course values(11, 'OS', 'CS');
 insert into course values(22, 'VSP', 'IS');

insert into enroll values('CS01', 11, 4, 85);
 insert into enroll values('IS02', 22, 6, 80);

insert into text values(1, 'OS and C', 'Princeton', 'Reddy');
 insert into text values(2, 'Fundamentals of OS',
 'Princeton', 'Shanbhag');

insert into book-adoption values (11,4,1);
 insert into book-adoption values (11,4,2);

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-- Question iii

insert into test values (7, 'C programming and DS', 'Pointset', 'Beddy');

insert into book-adoption values (11, 4, 7);

-- Question iv

Select c.course-no, t.book-isbn, t.book-title from course c, test t, book-adoption b
where c.course-no = b.course-no
and

b.book-isbn = t.book-isbn
and

c.dept = 'CS'

group by b.course-no

having count(b.course-no) > 2

order by t.book-title;

-- Question v

Select c.dept from course c, book-adoption b,
test t

where c.course-no = b.course-no

and

b.book-isbn = t.book-isbn

and

t.publisher = 'TMH';

-- Question vi

Create view new-view(course, total-book-isbn, publisher)
as select c.course-no, count(b.book-isbn), t.publisher

from course c, book-adoption b, test t

where c.course-no = b.course-no

and

b.book-isbn = t.book-isbn

group by b.course-no;

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--Question vii

select a.course from course c, book-adoption b, test t
where c.course-no = b.course-no

and

b.book-isbn = t.book-isbn

and

t.publisher = ('Springer');

commit;