create table dept(

did number(5) constraint pk\_did primary key,

dname varchar2(50) constraint nn\_dname not null

);

create table student(

PRN number(10) constraint pk\_prn primary key,

sname varchar2(50) constraint nn\_sname not null,

mo number(10),

birthdate date,

did number(5) constraint fk\_did\_std references dept on delete cascade

);

create table subject(

subid number(5) constraint pk\_subid primary key,

subname varchar2(50) constraint nn\_subname not null,

did number(5) constraint fk\_did\_sub references dept on delete cascade

);

create table project(

pid number(5) constraint pk\_pid primary key,

pname varchar2(50) constraint nn\_pname not null,

mentor varchar2(50),

max\_marks number(3) constraint ck\_mm check(max\_marks > 0),

pass\_marks number(3) constraint ck\_pm check(pass\_marks > 0),

constraint ck\_mm\_pm check(pass\_marks < max\_marks),

constraint uk\_pname unique(pname),

sub\_date date,

subid number(5) constraint fk\_subid\_project references subject on delete cascade

);

create table project\_info(

PRN number(10) constraint fk\_prn references student on delete cascade,

subid number(5) constraint fk\_subid\_project\_info references subject on delete cascade,

pid number(5) constraint fk\_pid references project on delete cascade,

marks\_obtained number(3),

constraint pk\_prn\_subid primary key (PRN , subid)

);

INSERT INTO DEPT VALUES ('10001', 'CSE');

INSERT INTO DEPT VALUES ('10002', 'EE');

INSERT INTO DEPT VALUES ('10003', 'CIVIL');

INSERT INTO SUBJECT VALUES ('20001', 'DBMS', '10001');

INSERT INTO SUBJECT VALUES ('20002', 'JAVA', '10001');

INSERT INTO SUBJECT VALUES ('20003', 'DAA', '10001');

INSERT INTO SUBJECT VALUES ('20004', 'ADC', '10002');

INSERT INTO SUBJECT VALUES ('20005', 'SURVEYING', '10003');

INSERT INTO PROJECT VALUES ('30001', 'COLLEGE PROJECT MS', 'ANJALI MAM', '100', '40', '20-APRIL-2022','20001');

INSERT INTO PROJECT VALUES ('30002', 'HOSPITAL MS', 'ANJALI MAM', '100', '40', '20-APRIL-2022','20001');

INSERT INTO PROJECT VALUES ('30003', 'RAILWAY MS', 'ANJALI MAM', '100', '40', '20-APRIL-2022','20001');

INSERT INTO PROJECT VALUES ('30004', 'MUSIC LIBRARY MS', 'ANJALI MAM', '100', '40', '20-APRIL-2022','20001');

INSERT INTO PROJECT VALUES ('30005', 'ENCRYPTION & DECRYPTION OF FILE', 'MAMATA MAM', '100', '40', '22-APRIL-2022','20002');

INSERT INTO PROJECT VALUES ('30006', 'TICKETS BOOKING', 'MAMATA MAM', '100', '40', '22-APRIL-2022','20002');

INSERT INTO PROJECT VALUES ('30007', 'PASSWORD GENRATOR', 'MAMATA MAM', '100', '40', '22-APRIL-2022','20002');

INSERT INTO PROJECT VALUES ('30008', 'ELECTRICITY BILLING SYSTEM', 'MAMATA MAM', '100', '40', '22-APRIL-2022','20002');

INSERT INTO PROJECT VALUES ('30009', 'TIME COMPLEXITY OF ALGO.', 'VIRAL SIR', '100', '40', '24-APRIL-2022','20003');

INSERT INTO PROJECT VALUES ('30010', 'INFIX TO POSTFIX', 'VIRAL SIR', '100', '40', '24-APRIL-2022','20003');

INSERT INTO PROJECT VALUES ('30011', 'MIN PATH IN GRAPH', 'VIRAL SIR', '100', '40', '24-APRIL-2022','20003');

INSERT INTO PROJECT VALUES ('30012', 'IOT1', 'BHARAT SIR', '100', '50', '26-APRIL-2022','20004');

INSERT INTO PROJECT VALUES ('30013', 'IOT2', 'BHARAT SIR', '100', '50', '26-APRIL-2022','20004');

INSERT INTO PROJECT VALUES ('30014', '3D HOUSE MAKING MACHINE', 'BHATI SIR', '100', '60', '28-APRIL-2022','20005');

INSERT INTO STUDENT VALUES ('8021070001', 'SOHAM ZADAFIYA', '9898087551', '10-JUNE-2003', '10001');

INSERT INTO STUDENT VALUES ('8021070002', 'OM MISTRI', '9898087552', '12-JULY-2003', '10001');

INSERT INTO STUDENT VALUES ('8021070003', 'DHRUV DHANANI', '9898087553', '14-OCT-2003', '10001');

INSERT INTO STUDENT VALUES ('8021070004', 'KRISH KHENI', '9898087554', '15-NOV-2003', '10001');

INSERT INTO STUDENT VALUES ('8021070005', 'MANAV PARMAR', '9898087555', '23-DEC-2003', '10001');

INSERT INTO STUDENT VALUES ('8021070006', 'KETUL PRAJAPATI', '9898087556', '23-NOV-2003', '10001');

INSERT INTO STUDENT VALUES ('8021070007', 'PREET MISTRY', '9898087557', '20-DEC-2003', '10001');

INSERT INTO STUDENT VALUES ('8021070008', 'HIMIL SINDHA', '9898087558', '23-OCT-2003', '10001');

INSERT INTO STUDENT VALUES ('8021070009', 'DISHANK SHAH', '9898087559', '23-MAY-2003', '10001');

INSERT INTO STUDENT VALUES ('8021070010', 'KRUPAL PATEL', '9898087560', '12-OCT-2003', '10001');

INSERT INTO STUDENT VALUES ('8021070011', 'KAUSHAL DANANI', '9898087561', '23-NOV-2003', '10001');

INSERT INTO STUDENT VALUES ('8021070012', 'PRAKASH BHUKAN', '9898087562', '12-DEC-2003', '10001');

INSERT INTO STUDENT VALUES ('8021070013', 'AADITYA MAHIL', '9898087563', '1-JAN-2003', '10001');

INSERT INTO STUDENT VALUES ('8021070014', 'AARSH PATEL', '9898087564', '2-JULY-2003', '10001');

INSERT INTO STUDENT VALUES ('8021070015', 'DEVARSHI PATEL', '9898087565', '12-FEB-2004', '10001');

INSERT INTO STUDENT VALUES ('8021070016', 'AADITYA PATEL', '9898087566', '8-JAN-2004', '10001');

INSERT INTO STUDENT VALUES ('8021070017', 'YATHARTH PATEL', '9898087567', '14-JAN-2004', '10001');

INSERT INTO STUDENT VALUES ('8021070018', 'PRIYANSH CHAUDHARI', '9898087568', '12-JAN-2004', '10001');

INSERT INTO STUDENT VALUES ('8021070019', 'PIYUSH SHARMA', '9898087568', '5-MAY-2003', '10002');

INSERT INTO STUDENT VALUES ('8021070020', 'AADITYA PATEL', '9898087569', '6-JULY-2003', '10002');

INSERT INTO STUDENT VALUES ('8021070021', 'JENIL PATEL', '9898087570', '7-DEC-2003', '10002');

INSERT INTO STUDENT VALUES ('8021070022', 'ABHAY PATEL', '9898087571', '5-AUG-2003', '10002');

INSERT INTO STUDENT VALUES ('8021070023', 'AMAN JADAV', '9898087572', '23-SEP-2003', '10002');

INSERT INTO STUDENT VALUES ('8021070024', 'DHRUV PANCHAL', '9898087573', '25-MARCH-2004', '10002');

INSERT INTO STUDENT VALUES ('8021070025', 'DIVYESH RANA', '9898087574', '7-JAN-2004', '10002');

INSERT INTO STUDENT VALUES ('8021070026', 'HARSHIL KHATRA', '9898087575', '1-JUNE-2003', '10002');

INSERT INTO STUDENT VALUES ('8021070027', 'JAY MEHTA', '9898087576', '5-FEB-2004', '10002');

INSERT INTO STUDENT VALUES ('8021070028', 'KRUTI CHAUDHARI', '9898087577', '1-APRIL-2004', '10003');

INSERT INTO STUDENT VALUES ('8021070029', 'AKSHAY VYAS', '9898087578', '28-FEB-2004', '10003');

INSERT INTO STUDENT VALUES ('8021070030', 'ISHA CHAUDHARI', '9898087579', '4-AUG-2003', '10003');

INSERT INTO PROJECT\_INFO VALUES ('8021070001', '20001', '30001', '85');

INSERT INTO PROJECT\_INFO VALUES ('8021070002', '20001', '30001', '90');

INSERT INTO PROJECT\_INFO VALUES ('8021070003', '20001', '30001', '85');

INSERT INTO PROJECT\_INFO VALUES ('8021070004', '20001', '30001', '87');

INSERT INTO PROJECT\_INFO VALUES ('8021070005', '20001', '30002', '76');

INSERT INTO PROJECT\_INFO VALUES ('8021070006', '20001', '30002', '70');

INSERT INTO PROJECT\_INFO VALUES ('8021070007', '20001', '30002', '72');

INSERT INTO PROJECT\_INFO VALUES ('8021070008', '20001', '30002', '74');

INSERT INTO PROJECT\_INFO VALUES ('8021070009', '20001', '30003', '49');

INSERT INTO PROJECT\_INFO VALUES ('8021070010', '20001', '30003', '48');

INSERT INTO PROJECT\_INFO VALUES ('8021070011', '20001', '30003', '44');

INSERT INTO PROJECT\_INFO VALUES ('8021070012', '20001', '30003', '46');

INSERT INTO PROJECT\_INFO VALUES ('8021070013', '20001', '30003', '49');

INSERT INTO PROJECT\_INFO VALUES ('8021070014', '20001', '30004', '55');

INSERT INTO PROJECT\_INFO VALUES ('8021070015', '20001', '30004', '60');

INSERT INTO PROJECT\_INFO VALUES ('8021070016', '20001', '30004', '58');

INSERT INTO PROJECT\_INFO VALUES ('8021070017', '20001', '30004', '57');

INSERT INTO PROJECT\_INFO VALUES ('8021070018', '20001', '30004', '59');

INSERT INTO PROJECT\_INFO VALUES ('8021070001', '20002', '30005', '80');

INSERT INTO PROJECT\_INFO VALUES ('8021070002', '20002', '30005', '85');

INSERT INTO PROJECT\_INFO VALUES ('8021070003', '20002', '30005', '81');

INSERT INTO PROJECT\_INFO VALUES ('8021070004', '20002', '30005', '82');

INSERT INTO PROJECT\_INFO VALUES ('8021070005', '20002', '30006', '60');

INSERT INTO PROJECT\_INFO VALUES ('8021070006', '20002', '30006', '62');

INSERT INTO PROJECT\_INFO VALUES ('8021070007', '20002', '30006', '65');

INSERT INTO PROJECT\_INFO VALUES ('8021070008', '20002', '30006', '61');

INSERT INTO PROJECT\_INFO VALUES ('8021070009', '20002', '30007', '50');

INSERT INTO PROJECT\_INFO VALUES ('8021070010', '20002', '30007', '55');

INSERT INTO PROJECT\_INFO VALUES ('8021070011', '20002', '30007', '52');

INSERT INTO PROJECT\_INFO VALUES ('8021070012', '20002', '30007', '51');

INSERT INTO PROJECT\_INFO VALUES ('8021070013', '20002', '30008', '49');

INSERT INTO PROJECT\_INFO VALUES ('8021070014', '20002', '30008', '48');

INSERT INTO PROJECT\_INFO VALUES ('8021070015', '20002', '30008', '44');

INSERT INTO PROJECT\_INFO VALUES ('8021070016', '20002', '30008', '46');

INSERT INTO PROJECT\_INFO VALUES ('8021070017', '20002', '30008', '48');

INSERT INTO PROJECT\_INFO VALUES ('8021070015', '20003', '30009', '67');

INSERT INTO PROJECT\_INFO VALUES ('8021070016', '20003', '30009', '68');

INSERT INTO PROJECT\_INFO VALUES ('8021070017', '20003', '30009', '69');

INSERT INTO PROJECT\_INFO VALUES ('8021070018', '20003', '30009', '66');

INSERT INTO PROJECT\_INFO VALUES ('8021070010', '20003', '30010', '71');

INSERT INTO PROJECT\_INFO VALUES ('8021070011', '20003', '30010', '76');

INSERT INTO PROJECT\_INFO VALUES ('8021070012', '20003', '30010', '72');

INSERT INTO PROJECT\_INFO VALUES ('8021070013', '20003', '30010', '73');

INSERT INTO PROJECT\_INFO VALUES ('8021070014', '20003', '30010', '70');

INSERT INTO PROJECT\_INFO VALUES ('8021070007', '20003', '30011', '54');

INSERT INTO PROJECT\_INFO VALUES ('8021070008', '20003', '30011', '58');

INSERT INTO PROJECT\_INFO VALUES ('8021070009', '20003', '30011', '56');

INSERT INTO PROJECT\_INFO VALUES ('8021070019', '20004', '30012', '55');

INSERT INTO PROJECT\_INFO VALUES ('8021070020', '20004', '30012', '58');

INSERT INTO PROJECT\_INFO VALUES ('8021070021', '20004', '30012', '57');

INSERT INTO PROJECT\_INFO VALUES ('8021070022', '20004', '30012', '56');

INSERT INTO PROJECT\_INFO VALUES ('8021070023', '20004', '30013', '60');

INSERT INTO PROJECT\_INFO VALUES ('8021070024', '20004', '30013', '62');

INSERT INTO PROJECT\_INFO VALUES ('8021070025', '20004', '30013', '65');

INSERT INTO PROJECT\_INFO VALUES ('8021070026', '20004', '30013', '64');

INSERT INTO PROJECT\_INFO VALUES ('8021070027', '20004', '30013', '61');

INSERT INTO PROJECT\_INFO VALUES ('8021070028', '20005', '30014', '44');

INSERT INTO PROJECT\_INFO VALUES ('8021070029', '20005', '30014', '45');

INSERT INTO PROJECT\_INFO VALUES ('8021070030', '20005', '30014', '49');

SELECT \* FROM SUBJECT;

SELECT \* FROM DEPT;

SELECT \* FROM PROJECT;

SELECT \* FROM STUDENT;

SELECT COUNT(\*) FROM PROJECT\_INFO;