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/*      Student Feedback System
        Desgined by:
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*/
/*drop table semester;
drop table department;
drop table student;
drop table faculty;
drop table division;
drop table batch;
drop table subject;
drop table grade;
drop table load;
drop table question;
drop table dsd;
drop table dsb;
drop table fac_sub_th;
drop table fac_sub_lab;
drop table th_fb;
drop table lab_fb;*/

create table semester(
    sem_id number(2) PRIMARY KEY,
    sem_label varchar2(10)
);
create table department(
    dept_id number(2) PRIMARY KEY,
    dept_name varchar2(50)
);
create table student (
    stud_id number(10) PRIMARY KEY,
    stud_identification varchar2(15) NOT NULL UNIQUE,
    stud_name varchar2(50),
    stud_roll_no number(3),
    stud_sem_id number(2) REFERENCES semester,
    dept_id number(2) REFERENCES department
);
create table faculty (
    fac_id number(5) PRIMARY KEY,
    fac_name varchar2(50),

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        dept_id number(2) REFERENCES department
    );
create table division(
    div_id number(2) PRIMARY KEY,
    div_label char(2)
);
create table batch(
    batch_id number(2) PRIMARY KEY,
    batch_label char(2)
);
create table subject(
    sub_id number(4) PRIMARY KEY,
    sub_code varchar2(10) NOT NULL UNIQUE,
    sub_name varchar2(50),
    sem_id number(2) REFERENCES semester,
    dept_id number(2) REFERENCES department
);
create table grade(
    grade_id number(1) PRIMARY KEY,
    grade_label char(1),
    grade_weightage number(1)
);
create table load(
    load_id number(2) PRIMARY KEY,
    load_label varchar2(25)
);
create table question(
    que_id number(2) PRIMARY KEY,
    que_desc varchar2(250),
    load_id number(2) REFERENCES load
);
create table dsd(
    dsd_id number(5) PRIMARY KEY,
    dept_id number(2) REFERENCES department,
    sem_id number(2) REFERENCES semester,
    div_id number(2) REFERENCES division,
    div_start number(3),
    div_end number(3)
);
create table dsb(
    dsb_id number(5) PRIMARY KEY,
    dept_id number(2) REFERENCES department,
    sem_id number(2) REFERENCES semester,
    batch_id number(2) REFERENCES batch,
    batch_start number(3),

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batch_end number(3)
);
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create table fac_sub_th(
    fac_sub_th_id number(12) PRIMARY KEY,
    fac_id number(5) REFERENCES faculty,
    sub_id number(2) REFERENCES subject,
    dsd_id number(5) REFERENCES dsd,
    load_id number(2) REFERENCES load,
    feedback number(5,2)
);
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create table fac_sub_lab(
    fac_sub_lab_id number(12) PRIMARY KEY,
    fac_id number(5) REFERENCES faculty,
    sub_id number(2) REFERENCES subject,
    dsb_id number(5) REFERENCES dsb,
    load_id number(2) REFERENCES load,
    feedback number(5,2)
);
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create table th_fb(
    th_fb_id number(12) PRIMARY KEY,
    stud_id number(10) REFERENCES student,
    fac_sub_th_id number(12) REFERENCES fac_sub_th,
    que_id number(5) REFERENCES question,
    grade_id number(2) REFERENCES grade
);
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create table lab_fb(
    lab_fb_id number(12) PRIMARY KEY,
    stud_id number(10) REFERENCES student,
    fac_sub_lab_id number(12) REFERENCES fac_sub_lab,
    que_id number(5) REFERENCES question,
    grade_id number(2) REFERENCES grade
);
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insert into semester values (1, 'SEM-I');
insert into semester values (2, 'SEM-II');
insert into semester values (3, 'SEM-III');
insert into semester values (4, 'SEM-IV');
insert into semester values (5, 'SEM-V');
insert into semester values (6, 'SEM-VI');
insert into semester values (7, 'SEM-VII');
insert into semester values (8, 'SEM-VIII');
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insert into semester values (9, 'SEM-IX');  
insert into semester values (10, 'SEM-X');

insert into department values (1, 'CE');  
insert into department values (2, 'EC');  
insert into department values (3, 'IT');  
insert into department values (4, 'IC');  
insert into department values (5, 'CH');  
insert into department values (6, 'CL');  
insert into department values (7, 'MH');

insert into student values (1, 'CE2017001', 'mahesh', 1, 1, 5);  
insert into student values (2, 'CE2017002', 'rajesh', 2, 1, 5);  
insert into student values (3, 'CE2017003', 'mukesh', 3, 1, 5);  
insert into student values (4, 'CE2017004', 'suresh', 4, 1, 5);

insert into faculty values (1, 'PMJ', 1);  
insert into faculty values (2, 'JMP', 1);  
insert into faculty values (3, 'AKG', 1);  
insert into faculty values (4, 'HAP', 1);

insert into division values (1, 'A');  
insert into division values (2, 'B');  
insert into division values (3, 'C');  
insert into division values (4, 'D');

insert into batch values (1, 'C1');  
insert into batch values (2, 'C2');  
insert into batch values (3, 'C3');  
insert into batch values (4, 'C4');  
insert into batch values (5, 'D1');  
insert into batch values (6, 'D2');  
insert into batch values (7, 'D3');  
insert into batch values (8, 'D4');

insert into subject values (1, 'CE-508', 'Database Systems', 5, 1);  
insert into subject values (2, 'CE-509', 'Web Development in .NET', 5, 1);  
insert into subject values (3, 'CE-510', 'Software Engineering', 5, 1);  
insert into subject values (4, 'CE-513', 'Operating Systems', 5, 1);

insert into grade values (1, 'A', 4);  
insert into grade values (2, 'B', 3);  
insert into grade values (3, 'C', 4);  
insert into grade values (4, 'D', 1);

insert into load values (1, 'Theory');

insert into load values (2, 'Lab');

insert into question values (1, 'Knowledge base of the teacher (as perceived by you)', 1);

insert into question values (2, 'Communication Skills (in terms of articulation and comprehensibility)', 1);

insert into question values (3, 'Sincerity / Commitment of the teacher', 1);

insert into question values (4, 'Knowledge base of the teacher (as perceived by you)', 2);

insert into question values (5, 'Communication Skills (in terms of articulation and comprehensibility)', 2);

insert into question values (6, 'Sincerity / Commitment of the teacher', 2);

insert into dsd values (1, 1, 5, 3, 1, 76);

insert into dsd values (2, 1, 5, 4, 77, 149);

insert into dsb values (1, 1, 5, 1, 1, 19);

insert into dsb values (2, 1, 5, 2, 20, 38);

insert into dsb values (3, 1, 5, 3, 39, 57);

insert into dsb values (4, 1, 5, 4, 58, 76);

insert into dsb values (5, 1, 5, 5, 77, 95);

insert into dsb values (6, 1, 5, 6, 96, 114);

insert into dsb values (7, 1, 5, 7, 115, 133);

insert into dsb values (8, 1, 5, 8, 134, 149);

insert into fac\_sub\_th values (1, 1, 1, 1, 1, null); -- PK, PMJ, DBS, (CE-5-C), TH

insert into fac\_sub\_th values (2, 1, 1, 2, 1, null); -- PK, PMJ, DBS, (CE-5-D), TH

insert into fac\_sub\_th values (3, 2, 1, 1, 1, null); -- PK, JMP, DBS, (CE-5-C), TH

insert into fac\_sub\_th values (4, 2, 1, 2, 1, null); -- PK, JMP, DBS, (CE-5-D), TH

insert into fac\_sub\_lab values (1, 1, 1, 7, 2, null);-- PK, PMJ, DBS, (CE-5-D3), Lab

insert into fac\_sub\_lab values (2, 1, 1, 8, 2, null);-- PK, PMJ, DBS, (CE-5-D4), Lab

insert into fac\_sub\_lab values (3, 2, 1, 2, 2, null);-- PK, JMP, DBS, (CE-5-C2), Lab

insert into fac\_sub\_lab values (4, 2, 1, 4, 2, null);-- PK, JMP, DBS, (CE-5-C4), Lab

insert into th\_fb values (1, 1, 1, 1, 1); -- PK, mahesh, (PMJ, DBS, (CE-5-C), TH), Que1, A

insert into th\_fb values (2, 2, 1, 1, 2); -- PK, rajesh, (PMJ, DBS, (CE-5-C), TH), Que1, B

insert into th\_fb values (3, 3, 1, 1, 3); -- PK, mukesh, (PMJ, DBS, (CE-5-C), TH), Que1, C

insert into th\_fb values (4, 1, 1, 2, 1); -- PK, mahesh, (PMJ, DBS, (CE-5-C), TH), Que2, A

insert into th\_fb values (5, 2, 1, 2, 2); -- PK, rajesh, (PMJ, DBS, (CE-5-C), TH), Que2, B

insert into th\_fb values (6, 3, 1, 2, 1); -- PK, mukesh, (PMJ, DBS, (CE-5-C), TH), Que2, A

insert into th\_fb values (7, 1, 1, 3, 2); -- PK, mahesh, (PMJ, DBS, (CE-5-C), TH), Que2, B

insert into th\_fb values (8, 2, 1, 3, 1); -- PK, rajesh, (PMJ, DBS, (CE-5-C), TH), Que2, A

insert into th\_fb values (9, 3, 1, 3, 1); -- PK, mukesh, (PMJ, DBS, (CE-5-C), TH), Que2, A

insert into th\_fb values (10, 1, 3, 1, 1); -- PK, mahesh, (JMP, DBS, (CE-5-C), TH), Que1, A  
insert into th\_fb values (11, 2, 3, 1, 2); -- PK, rajesh, (JMP, DBS, (CE-5-C), TH), Que1, B  
insert into th\_fb values (12, 3, 3, 1, 3); -- PK, mukesh, (JMP, DBS, (CE-5-C), TH), Que1, C

insert into th\_fb values (13, 1, 3, 2, 1); -- PK, mahesh, (JMP, DBS, (CE-5-C), TH), Que2, A  
insert into th\_fb values (14, 2, 3, 2, 2); -- PK, rajesh, (JMP, DBS, (CE-5-C), TH), Que2, B  
insert into th\_fb values (15, 3, 3, 2, 1); -- PK, mukesh, (JMP, DBS, (CE-5-C), TH), Que2, A

insert into th\_fb values (16, 1, 3, 3, 2); -- PK, mahesh, (JMP, DBS, (CE-5-C), TH), Que2, B  
insert into th\_fb values (17, 2, 3, 3, 1); -- PK, rajesh, (JMP, DBS, (CE-5-C), TH), Que2, A  
insert into th\_fb values (18, 3, 3, 3, 1); -- PK, mukesh, (JMP, DBS, (CE-5-C), TH), Que2, A

insert into lab\_fb values (1, 1, 1, 1, 1); -- PK, mahesh, (PMJ, DBS, (CE-5-D3), Lab), Que1, A  
insert into lab\_fb values (2, 1, 1, 2, 2); -- PK, mahesh, (PMJ, DBS, (CE-5-D3), Lab), Que2, B  
insert into lab\_fb values (3, 1, 1, 3, 1); -- PK, mahesh, (PMJ, DBS, (CE-5-D3), Lab), Que3, A

insert into lab\_fb values (4, 2, 1, 1, 2); -- PK, rajesh, (PMJ, DBS, (CE-5-D3), Lab), Que1, B  
insert into lab\_fb values (5, 2, 1, 2, 2); -- PK, rajesh, (PMJ, DBS, (CE-5-D3), Lab), Que2, B  
insert into lab\_fb values (6, 2, 1, 3, 3); -- PK, rajesh, (PMJ, DBS, (CE-5-D3), Lab), Que3, C