19PW15 DBMS WS7

DBMS USED : MY SQL

TEXT EDITOR : POPSQL

< THE OUTPUT FOR THE FOLLOWING CODE IS ATTACHED BELLOW >

USE 19pw;

CREATE TABLE 19PW15COURSES

(

CCODE VARCHAR(10) PRIMARY KEY,

CNAME VARCHAR(50),

COURSEFEE NUMERIC(6),

DURATION NUMERIC(3),

PREREQ VARCHAR(100)

);

CREATE TABLE 19PW15BATCHES

(

BATCHCODE VARCHAR(10) PRIMARY KEY,

CCODE VARCHAR(10),

STDATE DATE,

ENDDATE DATE NULL,

TIMINGS VARCHAR(20),

CONSTRAINT B1 CHECK (STDATE<ENDDATE),

CONSTRAINT B2 FOREIGN KEY (CCODE) REFERENCES 19PW15COURSES (CCODE)

);

CREATE TABLE 19PW15STUDENTS

(

ADMNO NUMERIC(5) PRIMARY KEY,

BATCHCODE VARCHAR(10),

ROLLNO NUMERIC(3),

FULLNAME VARCHAR(50),

FATHERNAME VARCHAR(50),

EMAIL VARCHAR(50),

PHONENO VARCHAR(20),

DJ DATE,

CONSTRAINT S1 FOREIGN KEY (BATCHCODE) REFERENCES 19PW15BATCHES (BATCHCODE)

);

CREATE TABLE 19PW15PAYMENTS

(

RCPTNO NUMERIC(5) PRIMARY KEY,

ADMNO NUMERIC(5),

AMOUNT NUMERIC(6),

PAYDATE DATE,

REMARKS VARCHAR(200),

CONSTRAINT P1 FOREIGN KEY (ADMNO) REFERENCES 19PW15STUDENTS (ADMNO)

);

INSERT INTO 19PW15COURSES VALUES('ORACLE11G','ORACLE DATABASE 11G',2500,40,'COMPUTER KONWLEDGE');

INSERT INTO 19PW15COURSES VALUES('JAVASE6.0','JAVA SE 6.0',2500,40,'C LANGUAGE');

INSERT INTO 19PW15COURSES VALUES('DOTNET3.5','MICROSOFT .NET 3.5',3750,80,'C LANGUAGE & SQL');

ALTER TABLE 19PW15BATCHES MODIFY BATCHCODE VARCHAR(20);

ALTER TABLE 19PW15STUDENTS MODIFY BATCHCODE VARCHAR(20);

INSERT INTO 19PW15BATCHES VALUES('ORA130508','ORACLE11G',STR\_TO\_DATE('13-05-08','%d-%m-%Y'),STR\_TO\_DATE('17-06-08','%d-%m-%Y'),90);

INSERT INTO 19PW15BATCHES VALUES('DOTNET130508','DOTNET3.5',STR\_TO\_DATE('13-05-08','%d-%m-%Y'),STR\_TO\_DATE('26-06-08','%d-%m-%Y'),120);

INSERT INTO 19PW15BATCHES VALUES('ORA270608','ORACLE11G',STR\_TO\_DATE('27-06-08','%d-%m-%Y'),NULL,60);

INSERT INTO 19PW15BATCHES VALUES('JS270608','JAVASE6.0',STR\_TO\_DATE('27-06-08','%d-%m-%Y'),NULL,60);

INSERT INTO 19PW15STUDENTS VALUES(1,'ORA130508',1,'MICHEAL JORDON', 'TIM [JORDON','MJORDON@YAHOO.COM](mailto:JORDON','MJORDON@YAHOO.COM)', '9873737334',STR\_TO\_DATE('11-05-08','%d-%m-%Y'));

INSERT INTO 19PW15STUDENTS VALUES(2,'ORA130508',2,'TIM SLIM', 'TIM [KEN','TIM@YAHOO.COM](mailto:KEN','TIM@YAHOO.COM)', '9833334334',STR\_TO\_DATE('11-05-08','%d-%m-%Y'));

INSERT INTO 19PW15STUDENTS VALUES(3,'DOTNET130508',1,'HUNTER JASON', 'HUNTER [BOB','JHUNTER@YAHOO.COM](mailto:BOB','JHUNTER@YAHOO.COM)', '34344343',STR\_TO\_DATE('11-05-08','%d-%m-%Y'));

INSERT INTO 19PW15STUDENTS VALUES(4,'JS270608',1,'JAMES GOODWILL', 'JAMES [ROBERTS','JAMES@YAHOO.COM](mailto:ROBERTS','JAMES@YAHOO.COM)', '9989898998',STR\_TO\_DATE('26-06-08','%d-%m-%Y'));

INSERT INTO 19PW15STUDENTS VALUES(5,'JS270608',2,'KENNY PETERSON', 'KENNY [JACOB','KPERERSON@GMAIL.COM](mailto:JACOB','KPERERSON@GMAIL.COM)', '9983373333',STR\_TO\_DATE('27-06-08','%d-%m-%Y'));

INSERT INTO 19PW15STUDENTS VALUES(6,'ORA270608',1,'GLEN JHONSON', 'GLEN [HENDRICK','GLEN@GMAIL.COM](mailto:HENDRICK','GLEN@GMAIL.COM)', '9898398985',STR\_TO\_DATE('28-06-08','%d-%m-%Y'));

INSERT INTO 19PW15STUDENTS VALUES(7,'ORA270608',2,'BATES KATHY', 'BATES [ROBERTS','KATHY@YMAIL.COM](mailto:ROBERTS','KATHY@YMAIL.COM)', '234423232',STR\_TO\_DATE('30-06-08','%d-%m-%Y'));

INSERT INTO 19PW15PAYMENTS VALUES(1,1,300,STR\_TO\_DATE('11-05-08','%d-%m-%Y'),'REG. FEE');

INSERT INTO 19PW15PAYMENTS VALUES(2,2,2500,STR\_TO\_DATE('11-05-08','%d-%m-%Y'),'TOTAL FEE');

INSERT INTO 19PW15PAYMENTS VALUES(3,3,1000,STR\_TO\_DATE('11-05-08','%d-%m-%Y'),'REG. FEE');

INSERT INTO 19PW15PAYMENTS VALUES(4,3,2750,STR\_TO\_DATE('12-05-08','%d-%m-%Y'),NULL);

INSERT INTO 19PW15PAYMENTS VALUES(5,4,300,STR\_TO\_DATE('26-06-08','%d-%m-%Y'),'REG. FEE');

INSERT INTO 19PW15PAYMENTS VALUES(6,5,300,STR\_TO\_DATE('27-06-08','%d-%m-%Y'),'REG. FEE');

INSERT INTO 19PW15PAYMENTS VALUES(7,4,1700,STR\_TO\_DATE('27-06-08','%d-%m-%Y'),NULL);

INSERT INTO 19PW15PAYMENTS VALUES(8,5,1700,STR\_TO\_DATE('29-06-08','%d-%m-%Y'),NULL);

INSERT INTO 19PW15PAYMENTS VALUES(9,6,2500,STR\_TO\_DATE('28-06-08','%d-%m-%Y'),'CHEQUE NO:3434343 SBI DWK');

INSERT INTO 19PW15PAYMENTS VALUES(10,7,2500,STR\_TO\_DATE('30-06-08','%d-%m-%Y'),NULL);

SELECT \* FROM 19PW15STUDENTS ORDER BY BATCHCODE AND DJ ASC;

SELECT \* FROM 19PW15PAYMENTS WHERE PAYDATE LIKE '2008-05-%';

SELECT \* FROM 19PW15PAYMENTS WHERE REMARKS LIKE 'CHEQUE%';

SELECT FULLNAME,FATHERNAME,DJ,TIMESTAMPDIFF(DAY,DJ,CURRENT\_TIMESTAMP) FROM 19PW15STUDENTS;

SELECT \* FROM 19PW15BATCHES WHERE ENDDATE>CURRENT\_TIMESTAMP OR ENDDATE IS NULL;

SELECT \* FROM 19PW15BATCHES WHERE CCODE LIKE 'JAVASE%' OR CCODE LIKE 'ORACLE%';

SELECT CONCAT(DAY(PAYDATE)+7,' / ',MONTH(PAYDATE),'/',YEAR(PAYDATE)) AS 'DUE DATE' FROM 19PW15PAYMENTS;

SELECT DISTINCT S.\* FROM 19PW15STUDENTS S INNER JOIN 19PW15PAYMENTS P ON S.ADMNO = P.ADMNO WHERE (P.PAYDATE+7)<CURRENT\_DATE;

ALTER TABLE 19PW15COURSES MODIFY COURSEFEE NUMERIC(6,2);

SELECT COURSEFEE+(COURSEFEE\*(10/100)) FROM 19PW15COURSES WHERE COURSEFEE<3000;

SELECT \* FROM 19PW15STUDENTS WHERE FULLNAME LIKE '%S%' AND FATHERNAME LIKE '%P%';

SELECT \* FROM 19PW15BATCHES WHERE (ENDDATE-STDATE)>45;

SELECT BATCHCODE,STDATE,STDATE+'0000-02-00' AS 'APPROX\_ENDDATE' FROM 19PW15BATCHES;

INSERT INTO 19PW15COURSES VALUE('JAVAEEWEB','JAVA EE(WEB APPLICATIONS)',3000,40,'JAVA LANG AND SQL');

UPDATE 19PW15BATCHES SET ENDDATE = CURRENT\_DATE-1 WHERE BATCHCODE = 'JS130508';

SELECT \* FROM 19PW15BATCHES WHERE YEAR(STDATE)=(YEAR(CURRENT\_DATE)-1) AND YEAR(ENDDATE)=YEAR(CURRENT\_DATE);

SELECT \* FROM 19PW15PAYMENTS WHERE AMOUNT>1000 OR ADMNO IN (SELECT ADMNO FROM 19PW15PAYMENTS WHERE ADMNO BETWEEN 100 AND 150);

UPDATE 19PW15PAYMENTS SET PAYDATE='2008-06-01',ADMNO=120 WHERE RCPTNO=12;

SELECT FULLNAME,BATCHCODE,DJ FROM 19PW15STUDENTS ORDER BY FULLNAME AND DJ;

SELECT DATE\_ADD(PAYDATE, INTERVAL 2 MONTH) AS 'DUEDATE' FROM 19PW15PAYMENTS;

SELECT SUM(AMOUNT) FROM 19PW15PAYMENTS;

SELECT MAX(RCPTNO) FROM 19PW15PAYMENTS WHERE PAYDATE LIKE '2008-05-%';

SELECT DISTINCT BATCHCODE,COUNT(\*) AS NO\_STUDENTS FROM 19PW15STUDENTS GROUP BY BATCHCODE;

SELECT BATCHCODE,CCODE FROM 19PW15BATCHES GROUP BY CCODE HAVING MIN(STDATE);

SELECT SUM(AMOUNT),PAYDATE FROM 19PW15PAYMENTS GROUP BY PAYDATE;

SELECT CCODE,COUNT(BATCHCODE) FROM 19PW15BATCHES WHERE YEAR(STDATE)=YEAR(CURRENT\_TIMESTAMP) GROUP BY CCODE;

SELECT SUM(AMOUNT),MONTH(PAYDATE) FROM 19PW15PAYMENTS GROUP BY MONTH(PAYDATE);

SELECT BATCHCODE FROM 19PW15STUDENTS GROUP BY BATCHCODE HAVING COUNT(\*)>10;

SELECT BATCHCODE,MIN(ADMNO) AS 'FIRST ADMISSION',MAX(ADMNO) AS 'LAST ADMISSION' FROM 19PW15STUDENTS GROUP BY BATCHCODE;

SELECT CCODE FROM 19PW15BATCHES GROUP BY STDATE HAVING COUNT(\*)>1;

SELECT COUNT(BATCHCODE),CCODE,YEAR(STDATE) FROM 19PW15BATCHES GROUP BY CCODE;

SELECT COUNT(BATCHCODE) FROM 19PW15BATCHES WHERE ENDDATE>CURRENT\_TIMESTAMP OR ENDDATE IS NULL;

SELECT COUNT(\*),BATCHCODE FROM 19PW15STUDENTS WHERE BATCHCODE LIKE '%JS' GROUP BY BATCHCODE HAVING COUNT(\*)>10 ORDER BY COUNT(\*);

SELECT SUM(AMOUNT) FROM 19PW15PAYMENTS WHERE MONTH(PAYDATE)=MONTH(CURRENT\_TIMESTAMP);

SELECT COUNT(BATCHCODE) FROM 19PW15STUDENTS WHERE FULLNAME LIKE '%TOM%';

SELECT PAYDATE FROM 19PW15PAYMENTS GROUP BY PAYDATE HAVING SUM(AMOUNT)>5000;

SELECT B.BATCHCODE,C.CNAME,B.STDATE FROM 19PW15COURSES C INNER JOIN 19PW15BATCHES B ON C.CCODE = B. CCODE;

SELECT P.RCPTNO,S.FULLNAME,P.AMOUNT,P.PAYDATE FROM 19PW15STUDENTS S INNER JOIN 19PW15PAYMENTS P ON S.ADMNO = P.ADMNO ORDER BY P.PAYDATE;

SELECT C.CNAME,B.BATCHCODE,S.FULLNAME FROM 19PW15STUDENTS S INNER JOIN 19PW15BATCHES B ON S.BATCHCODE = B.BATCHCODE INNER JOIN 19PW15COURSES C ON B.CCODE = C.CCODE;

SELECT B.CCODE,COUNT(S.ADMNO) AS 'NO\_STUDENTS' FROM 19PW15BATCHES B INNER JOIN 19PW15STUDENTS S ON B.BATCHCODE=S.BATCHCODE GROUP BY S.BATCHCODE;

SELECT P.AMOUNT FROM 19PW15PAYMENTS P INNER JOIN 19PW15STUDENTS S ON P.ADMNO = S.ADMNO WHERE S.BATCHCODE = 'ORA130508';

SELECT P.AMOUNT FROM 19PW15PAYMENTS P INNER JOIN 19PW15STUDENTS S ON P.ADMNO = S.ADMNO WHERE S.BATCHCODE = 'ORA130508';

SELECT B.BATCHCODE FROM 19PW15BATCHES B INNER JOIN 19PW15COURSES C ON B.CCODE = C.CCODE WHERE C.COURSEFEE>3000;

SELECT P.RCPTNO,S.FULLNAME,S.BATCHCODE,P.AMOUNT,P.PAYDATE FROM 19PW15STUDENTS S INNER JOIN 19PW15PAYMENTS P ON P.ADMNO = S.ADMNO WHERE CURRENT\_DATE=DATE\_SUB(P.PAYDATE,INTERVAL 10 DAY);

SELECT C.CNAME,B.BATCHCODE,B.STDATE,B.ENDDATE FROM 19PW15COURSES C INNER JOIN 19PW15BATCHES B ON C.CCODE = B.CCODE WHERE CURRENT\_DATE>B.ENDDATE;

SELECT S.FULLNAME,S.DJ,P.AMOUNT FROM 19PW15STUDENTS S INNER JOIN 19PW15PAYMENTS P ON S.ADMNO=P.ADMNO;

SELECT C.CNAME,B.BATCHCODE FROM 19PW15COURSES C LEFT JOIN 19PW15BATCHES B ON C.CCODE=B.CCODE;

SELECT S.FULLNAME FROM 19PW15STUDENTS S LEFT JOIN 19PW15PAYMENTS P ON S.ADMNO = P.ADMNO WHERE P.AMOUNT IS NULL;

SELECT BATCHCODE FROM 19PW15BATCHES WHERE STDATE > (SELECT STDATE FROM 19PW15BATCHES WHERE BATCHCODE='ORA130508');

SELECT S.FULLNAME,S.BATCHCODE FROM 19PW15STUDENTS S INNER JOIN 19PW15PAYMENTS P ON S.ADMNO=P.ADMNO INNER JOIN 19PW15BATCHES B ON S.BATCHCODE = B.BATCHCODE INNER JOIN 19PW15COURSES C ON B.CCODE = C.CCODE WHERE S.DJ=P.PAYDATE AND C.COURSEFEE = P.AMOUNT;

SELECT S.FULLNAME,S.BATCHCODE FROM 19PW15STUDENTS S INNER JOIN 19PW15PAYMENTS P ON S.ADMNO=P.ADMNO INNER JOIN 19PW15BATCHES B ON S.BATCHCODE = B.BATCHCODE INNER JOIN 19PW15COURSES C ON B.CCODE = C.CCODE WHERE S.DJ=P.PAYDATE AND C.COURSEFEE > P.AMOUNT;

SELECT \* FROM 19PW15PAYMENTS WHERE ADMNO = (SELECT ADMNO FROM 19PW15STUDENTS WHERE FULLNAME = 'JAMES GOODWILL');

SELECT \* FROM 19PW15PAYMENTS WHERE ADMNO IN (SELECT DISTINCT ADMNO FROM 19PW15STUDENTS WHERE BATCHCODE = 'ORA270608');

SELECT BATCHCODE FROM 19PW15BATCHES WHERE CCODE IN (SELECT DISTINCT CCODE FROM 19PW15COURSES WHERE DURATION>40);

SELECT \* FROM 19PW15STUDENTS WHERE ADMNO IN (SELECT ADMNO FROM 19PW15PAYMENTS WHERE MONTH(PAYDATE)=MONTH(CURRENT\_DATE));

SELECT \* FROM 19PW15STUDENTS WHERE BATCHCODE IN (SELECT BATCHCODE FROM 19PW15BATCHES WHERE CCODE LIKE '%ORACLE%');

SELECT \* FROM 19PW15STUDENTS WHERE BATCHCODE IN (SELECT BATCHCODE FROM 19PW15BATCHES WHERE ENDDATE>CURRENT\_DATE OR ENDDATE IS NULL);

SELECT FULLNAME,EMAIL FROM 19PW15STUDENTS WHERE BATCHCODE IN (SELECT BATCHCODE FROM 19PW15BATCHES WHERE ENDDATE<DATE\_SUB(CURRENT\_DATE,INTERVAL 6 MONTH));

SELECT FULLNAME,EMAIL FROM 19PW15STUDENTS WHERE BATCHCODE IN (SELECT BATCHCODE FROM 19PW15BATCHES WHERE ENDDATE<DATE\_SUB(CURRENT\_DATE,INTERVAL 6 MONTH));

SELECT \* FROM 19PW15STUDENTS GROUP BY BATCHCODE HAVING COUNT(ADMNO)<10;

SELECT P.RCPTNO,S.FULLNAME,S.BATCHCODE,P.AMOUNT,P.PAYDATE FROM 19PW15PAYMENTS P INNER JOIN 19PW15STUDENTS S ON P.ADMNO=S.ADMNO WHERE BATCHCODE LIKE '%OR%';

SELECT CNAME FROM 19PW15COURSES WHERE CCODE IN (SELECT CCODE FROM 19PW15BATCHES WHERE BATCHCODE IN (SELECT BATCHCODE FROM 19PW15STUDENTS GROUP BY BATCHCODE HAVING COUNT(\*)>10));

SELECT S.BATCHCODE FROM 19PW15STUDENTS S INNER JOIN 19PW15PAYMENTS P ON S.ADMNO = P.ADMNO GROUP BY S.BATCHCODE HAVING SUM(P.AMOUNT)>20000;

SELECT S.\* FROM 19PW15STUDENTS S INNER JOIN 19PW15BATCHES B ON S.BATCHCODE=B.BATCHCODE WHERE S.DJ != B.STDATE;

SELECT B.\*,COUNT(\*) FROM 19PW15BATCHES B INNER JOIN 19PW15STUDENTS S ON B.BATCHCODE=S.BATCHCODE GROUP BY S.BATCHCODE ORDER BY COUNT(\*) DESC LIMIT 3;

