Name : VAIBHAV INGLE

ASSIGNMENT: 4

-- exercise 1

CREATE TABLE Trainer\_Info

(

Trainer\_id varchar2(20) NOT NULL,

Salutation VARCHAR2(7),

Trainer\_Name VARCHAR2(30),

Trainer\_Location VARCHAR2(30),

Trainer\_Track VARCHAR2(15),

Trainer\_Qualification VARCHAR2(100),

Trainer\_Experiance NUMBER(11),

Trainer\_Email VARCHAR2(100),

Trainer\_Password VARCHAR2(20),

CONSTRAINT Trainer\_Info PRIMARY KEY

(

Trainer\_id

)

ENABLE

);

CREATE TABLE Batch\_Info

(

Batch\_id VARCHAR2(20) NOT NULL,

Batch\_Owner VARCHAR2(30),

Batch\_BU\_Name VARCHAR2(30),

CONSTRAINT Batch\_Info PRIMARY KEY

(

Batch\_id

)

ENABLE

);

CREATE TABLE Module\_Info

(

Module\_id VARCHAR2(20) NOT NULL,

Module\_Name VARCHAR2(40),

Module\_Duration NUMBER(11),

CONSTRAINT Module\_Info PRIMARY KEY

(

Module\_id

)

ENABLE

);

CREATE TABLE QUESTIONS(

QUESTION\_Id varchar2(20) NOT NULL,

Module\_id varchar2(20) ,

Question\_Text varchar2(900),

PRIMARY KEY (QUESTION\_ID),

FOREIGN KEY (Module\_id)

REFERENCES Module\_Info(Module\_Id)

);

CREATE TABLE Associate\_Info

(

Associate\_id VARCHAR2(20) NOT NULL,

Salutation VARCHAR2(7),

Associate\_Name VARCHAR(30),

Associate\_Location VARCHAR2(30),

Associate\_Track VARCHAR2(15),

Associate\_Qualification VARCHAR2(200),

Associate\_Email VARCHAR2(100),

Associate\_Password VARCHAR2(20),

CONSTRAINT Associate\_Info PRIMARY KEY

(

Associate\_id

)

ENABLE

);

create table Associate\_Status(

Associate\_Id varchar2(20),

Module\_Id varchar2(20),

AFeedbackGiven varchar2(20),

TFeedbackGiven varchar2(20),

Start\_Date varchar2(20),

End\_Date varchar2(20),

foreign key(Associate\_Id) references Associate\_Info(Associate\_Id),

foreign key(Module\_Id) references Module\_Info(Module\_Id)

);

CREATE TABLE Associate\_Feedback(

Associate\_id varchar2(20),

Question\_id varchar2(20),

Module\_id varchar2(20),

Associate\_Rating varchar2(11),

foreign key(Associate\_Id) references Associate\_Info(Associate\_Id),

foreign key(Module\_Id) references Module\_Info(Module\_Id),

foreign key(Question\_id) references Questions(QUESTION\_Id)

);

CREATE TABLE Login\_Details(

User\_id varchar2(20),

User\_password varchar2(20)

);

CREATE TABLE Trainer\_Feedback (

Trainer\_id VARCHAR2(20),

Question\_id VARCHAR2(20),

Batch\_id varchar2(20),

Module\_id varchar2(20),

Trainer\_Rating number(11),

FOREIGN KEY(Trainer\_id) REFERENCEs Trainer\_Info(Trainer\_id),

FOREIGN KEY(Question\_Id) REFERENCEs Questions(Question\_Id),

FOREIGN KEY(Batch\_Id) REFERENCEs Batch\_Info(Batch\_id),

FOREIGN KEY (Module\_id) REFERENCES Module\_Info(Module\_Id)

);

--exercise 2

insert into Batch\_Info values('B001','MRS.SWATI ROY','MSP');

insert into Batch\_Info values('B002','MRS.ARURNA K','HEALTHCARE');

insert into Batch\_Info values('B003','MR.RAJESH KRISHNAN','LIFE SCIENCES');

insert into Batch\_Info values('B004','MR.SACHIN SHETTY','BFS');

insert into Batch\_Info values('B005','MR.RAMESH PATEL','COMMUNICATIONS');

insert into Batch\_Info values('B006','MRS.SUSAN CHERIAN','RETAIL AND HOSPITALITY');

insert into Batch\_Info values('B007','MRS.SAMPADA JAIN','MSP');

insert into Batch\_Info values('B008','MRS.KAVITA REGE','BPO');

insert into Batch\_Info values('B009','MR.RAVI SEJPAL','MSP');

insert into Associate\_Info values('A001','Miss.','GAYATHRI NARAYANAN','Gurgaon','Java','Bachelor of Technology','Gayathri.Narayanan@hp.com','tne1@123');

insert into Associate\_Info values('A002','Mrs.','RADHIKA MOHAN','Kerala','Java','Bachelor of Engineering In Information Technology','Radhika.Mohan@cognizant.com','tne2@123');

insert into Associate\_Info values('A003','Mr.','KISHORE SRINIVAS','Chennai','Java','Bachelor of Engineering In Computers','Kishore.Srinivas@ibm.com','tne3@123');

insert into Associate\_Info values('A004','Mr.','ANAND RANGANATHAN','Mumbai','DotNet','Master of Computer Applications','Anand.Ranganathan@finolex.com','tne4@123');

insert into Associate\_Info values('A005','Miss.','LEELA MENON','Kerala','Mainframe','Bachelor of Engineering In Information Technology','Leela.Menon@microsoft.com','tne5@123');

insert into Associate\_Info values('A006','Mrs.','ARTI KRISHNAN','Pune','Testing','Master of Computer Applications','Arti.Krishnan@cognizant.com','tne6@123');

insert into Associate\_Info values('A007','Mr.','PRABHAKAR SHUNMUGHAM','Mumbai','Java','Bachelor of Technology','Prabhakar.Shunmugham@honda.com','tne7@123');

insert into Trainer\_Info values ('F001','Mr.','PANKAJ GHOSH','Pune','Java','Bachelor of Technology',12,'Pankaj.Ghosh@alliance.com','fac1@123');

insert into Trainer\_Info values('F002','Mr.','SANJAY RADHAKRISHNAN','Bangalore','DotNet','Bachelor of Technology',12,'Sanjay.Radhakrishnan@alliance.com','fac2@123');

insert into Trainer\_Info values('F003','Mr.','VIJAY MATHUR','Chennai','Mainframe','Bachelor of Technology',10,'Vijay.Mathur@alliance.com','fac3@123');

insert into Trainer\_Info values('F004','Mrs.','NANDINI NAIR','Kolkata','Java','Master of Computer Applications',9,'Nandini.Nair@alliance.com','fac4@123');

insert into Trainer\_Info values('F005','Miss.','ANITHA PAREKH','Hyderabad','Testing','Master of Computer Applications',6,'Anitha.Parekh@alliance.com','fac5@123');

insert into Trainer\_Info values('F006','Mr.','MANOJ AGRAWAL' ,'Mumbai','Mainframe','Bachelor of Technology',9,'Manoj.Agrawal@alliance.com','fac6@123');

insert into Trainer\_Info values ('F007','Ms.','MEENA KULKARNI','Coimbatore','Testing','Bachelor of Technology',5,'Meena.Kulkarni@alliance.com','fac7@123');

insert into Trainer\_Info values('F009','Mr.','SAGAR MENON' ,'Mumbai','Java','Master of Science In Information Technology',12,'Sagar.Menon@alliance.com','fac8@123');

insert into Module\_Info values('O10SQL','Oracle 10g SQL',16);

insert into Module\_Info values('O10PLSQL','Oracle 10g PL/ SQL',16);

insert into Module\_Info values('J2SE','Core Java SE 1.6',288);

insert into Module\_Info values('J2EE','Advanced Java EE 1.6',80);

insert into Module\_Info values('JAVAFX','JavaFX 2.1',80);

insert into Module\_Info values('DOTNT4','.Net Framework 4.0',50);

insert into Module\_Info values('SQL2008','MS SQl Server 2008',120);

insert into Module\_Info values('MSBI08','MS BI Studio 2008',158);

insert into Module\_Info values('SHRPNT','MS Share Point',80);

insert into Module\_Info values('ANDRD4','Android 4.0',200);

insert into Module\_Info values('EM001','Instructor',0);

insert into Module\_Info values('EM002','Course Material',0);

insert into Module\_Info values('EM003','Learning Effectiveness',0);

insert into Module\_Info values('EM004','Environment',0);

insert into Module\_Info values('EM005','Job Impact',0);

insert into Module\_Info values('TM001','Attendees',0);

insert into Module\_Info values('TM002','Course Material',0);

insert into Module\_Info values('TM003','Environment',0);

insert into Questions values('Q001','EM001','Instructor knowledgeable and able to handle all your queries');

insert into Questions values('Q002','EM001','All the topics in a particular course handled by the trainer without any gaps or slippages');

insert into Questions values('Q003','EM002','The course materials presentation, handson, etc. refered during the training are relevant and useful.');

insert into Questions values('Q004','EM002','The Hands on session adequate enough to grasp the understanding of the topic.');

insert into Questions values('Q005','EM002','The reference materials suggested for each module are adequate.');

insert into Questions values('Q006','EM003','Knowledge and skills presented in this training are applicatible at your work');

insert into Questions values('Q007','EM003','This training increases my proficiency level');

insert into Questions values('Q008','EM004','The physical environment e.g. classroom space, air-conditioning was conducive to learning.');

insert into Questions values('Q009','EM004','The software/hardware environment provided was sufficient for the purpose of the training.');

insert into Questions values('Q010','EM005','This training will improve your job performance.');

insert into Questions values('Q011','EM005','This training align with the business priorities and goals.');

insert into Questions values('Q012','TM001','Participants were receptive and had attitude towards learning.');

insert into Questions values('Q013','TM001','All participats gained the knowledge and the practical skills after this training.');

insert into Questions values('Q014','TM002','The course materials presentation, handson, etc. available for the session covers the entire objectives of the course.');

insert into Questions values('Q015','TM002','Complexity of the course is adequate for the particpate level.');

insert into Questions values('Q016','TM002','Case study and practical demos helpful in understanding of the topic');

insert into Questions values('Q017','TM003','The physical environment e.g. classroom space, air-conditioning was conducive to learning.');

insert into Questions values('Q018','TM003','The software/hardware environment provided was adequate for the purpose of the training.');

insert into Associate\_Status values('A001','O10SQL','B001','F001','2000-12-15','2000-12-25');

insert into Associate\_Status values('A002','O10SQL','B001','F001','2000-12-15','2000-12-25');

insert into Associate\_Status values('A003','O10SQL','B001','F001','2000-12-15','2000-12-25');

insert into Associate\_Status values('A001','O10PLSQL','B002','F002','2001-2-1','2001-2-12');

insert into Associate\_Status values('A002','O10PLSQL','B002','F002','2001-2-1','2001-2-12');

insert into Associate\_Status values('A003','O10PLSQL','B002','F002','2001-2-1','2001-2-12');

insert into Associate\_Status values('A001','J2SE','B003','F003','2002-8-20','2002-10-25');

insert into Associate\_Status values('A002','J2SE','B003','F003','2002-8-20','2002-10-25');

insert into Associate\_Status values('A001','J2EE','B004','F004','2005-12-1','2005-12-25');

insert into Associate\_Status values('A002','J2EE','B004','F004','2005-12-1','2005-12-25');

insert into Associate\_Status values('A003','J2EE','B004','F004','2005-12-1','2005-12-25');

insert into Associate\_Status values('A004','J2EE','B004','F004','2005-12-1','2005-12-25');

insert into Associate\_Status values('A005','JAVAFX','B005','F006','2005-12-4','2005-12-20');

insert into Associate\_Status values('A006','JAVAFX','B005','F006','2005-12-4','2005-12-20');

insert into Associate\_Status values('A006','SQL2008','B006','F007','2007-6-21','2007-6-28');

insert into Associate\_Status values('A007','SQL2008','B006','F007','2007-6-21','2007-6-28');

insert into Associate\_Status values('A002','MSBI08','B007','F006','2009-6-26','2009-6-29');

insert into Associate\_Status values('A003','MSBI08','B007','F006','2009-6-26','2009-6-29');

insert into Associate\_Status values('A004','MSBI08','B007','F006','2009-6-26','2009-6-29');

insert into Associate\_Status values('A002','ANDRD4','B008','F005','2010-6-5','2010-6-28');

insert into Associate\_Status values('A005','ANDRD4','B008','F005','2010-6-5','2010-6-28');

insert into Associate\_Status values('A003','ANDRD4','B009','F005','2011-8-1','2011-8-20');

insert into Associate\_Status values('A006','ANDRD4','B009','F005','2011-8-1','2011-8-20');

--exercise 3

UPDATE TRAINER\_INFO

SET trainer\_password = 'nn4@123'

where trainer\_id= 'F004';

--exercise 4

DELETE associate\_status

WHERE associate\_id='A003' AND MODULE\_ID='J2EE' AND AFeedbackGiven='B004' AND TFeedbackGiven='F004' AND START\_DATE='2005-12-1' AND END\_DATE='2005-12-25';

--exercise 5

select \* from

(

select \* from trainer\_info order by trainer\_experiance desc

)

where rownum<=5;

--exercise 6

SET TRANSACTION READ WRITE ;

SAVEPOINT MY\_SAVEPOINT;

INSERT INTO lOGIN\_DETAILS VALUES('U001' ,'Admin1@123');

INSERT INTO lOGIN\_DETAILS VALUES('U002' ,'Admin2@123');

ROLLBACK TO SAVEPOINT MY\_SAVEPOINT;

--EXERCISE 7

--not working doubts!!!!!

create user dummy\_user identified by "Pab27077";

grant create table to dummy\_user;

grant select table to dummy\_user;

revoke create table from dummmy\_user;

drop user dummy\_user;

--EXERCISE 8

DROP TABLE LOGIN\_DETAILS;

--exercise 9

CREATE TABLE suppliers(

supplier\_id varchar(20) NOT NULL,

supplier\_name varchar2(50) NOT NULL,

Adress varchar2(50),

city varchar2(50),

state varchar2(25),

zp\_code varchar2(10)

);

--exercise 10

CREATE TABLE COURSE\_FEES(

COURSE\_CODE VARCHAR2(10) NOT NULL,

BASE\_FEES NUMBER(10),

SPECIAL\_FEES NUMBER(10),

DISCOUNT NUMBER(10),

CONSTRAINT COURSE\_FEES PRIMARY KEY

(

COURSE\_CODE

)

);

INSERT INTO COURSE\_FEES VALUES('1',180,100,10);

INSERT INTO COURSE\_FEES VALUES('2',150,110,10);

INSERT INTO COURSE\_FEES VALUES('3',160,170,5);

INSERT INTO COURSE\_FEES VALUES('4',150,100,10);

INSERT INTO COURSE\_FEES VALUES('5',190,100,40);

create table Course\_Fees\_History(

Course\_Code varchar2(10) PRIMARY KEY REFERENCES course\_fees(COURSE\_CODE) ,

base\_fees number(10) ,

Special\_fees number(10) ,

Created\_by varchar2(10),

Updated\_by varchar2(10)

);

INSERT INTO COURSE\_FEES\_HISTORY VALUES('1',120,123,'Ram','Ramesh');

INSERT INTO COURSE\_FEES\_HISTORY VALUES('2',150,110,'Bala','Ram');

INSERT INTO COURSE\_FEES\_HISTORY VALUES('3',160,170,'Bala','Vinu');

INSERT INTO COURSE\_FEES\_HISTORY VALUES('4',170,235,'Ram','Ram');

INSERT INTO COURSE\_FEES\_HISTORY VALUES('5',190,100,'Vinod','Vinod');

SELECT COURSE\_CODE FROM COURSE\_FEES

UNION

SELECT COURSE\_CODE FROM COURSE\_FEES\_HISTORY

MINUS

SELECT COURSE\_CODE FROM COURSE\_FEES

INTERSECT

SELECT COURSE\_CODE FROM COURSE\_FEES\_HISTORY;

--EXERCISE 11

SELECT COURSE\_CODE,BASE\_FEES,SPECIAL\_FEES FROM COURSE\_FEES

UNION

SELECT COURSE\_CODE,BASE\_FEES,SPECIAL\_FEES FROM COURSE\_FEES\_HISTORY

MINUS

SELECT COURSE\_CODE ,BASE\_FEES,SPECIAL\_FEES FROM COURSE\_FEES

INTERSECT

SELECT COURSE\_CODE,BASE\_FEES,SPECIAL\_FEES FROM COURSE\_FEES\_HISTORY;

--EXERCISE FUNCTION

CREATE TABLE student\_info(

student\_id varchar(10),

first\_name varchar(20),

last\_name varchar(25),

address varchar(150),

PRIMARY KEY(student\_id)

ENABLE

);

CREATE TABLE course\_info (

course\_code varchar2(10),

course\_name varchar2(10) NOT NULL,

course\_description varchar2(25),

course\_start\_date DATE,

course\_duration number(10),

no\_of\_participants number(10),

course\_type varchar2(10),

PRIMARY KEY(course\_code) ENABLE

);

--EXERCISE 12

INSERT INTO COURSE\_FEES VALUES('7',NULL,120,0);

INSERT INTO COURSE\_FEES VALUES('8',NULL,100,0);

INSERT INTO COURSE\_FEES VALUES('9',300,120,0);

INSERT INTO COURSE\_FEES VALUES('10',175,120,0);

SELECT MIN(BASE\_FEES) ,MAX(BASE\_FEES) FROM COURSE\_FEES;

--EXERICISE 13

ALTER TABLE COURSE\_FEES

ADD INFRA\_FEES NUMBER(5,3);

UPDATE COURSE\_FEES SET INFRA\_FEES='43.751' WHERE COURSE\_CODE='1';

UPDATE COURSE\_FEES SET INFRA\_FEES='48.453' WHERE COURSE\_CODE='2';

UPDATE COURSE\_FEES SET INFRA\_FEES='42.897' WHERE COURSE\_CODE='3';

UPDATE COURSE\_FEES SET INFRA\_FEES='50.558' WHERE COURSE\_CODE='4';

UPDATE COURSE\_FEES SET INFRA\_FEES='43.007' WHERE COURSE\_CODE='5';

UPDATE COURSE\_FEES SET INFRA\_FEES='44.453' WHERE COURSE\_CODE='7';

UPDATE COURSE\_FEES SET INFRA\_FEES='22.897' WHERE COURSE\_CODE='8';

UPDATE COURSE\_FEES SET INFRA\_FEES='67.558' WHERE COURSE\_CODE='9';

UPDATE COURSE\_FEES SET INFRA\_FEES='76.007' WHERE COURSE\_CODE='10';

SELECT AVG(INFRA\_FEES)FROM COURSE\_FEES;

--QUESTION14

insert into course\_info values('1','PHY','Physics',to\_date('18-01-2022','DD-MM-YYYY'),6,40,'sci');

insert into course\_info values('4','BIO','BIOLOGY',to\_date('19-01-2022','DD-MM-YYYY'),5,38,'sci');

select course\_name,floor(sysdate-course\_start\_date) AS DateDiff from course\_info where course\_code = '1';

--question 15

SELECT COURSE\_NAME || COURSE\_CODE as "<COURSE NAME><COURSE CODE>" FROM COURSE\_INFO;

---QUESTION 16

SELECT AVG(NVL(BASE\_FEES,0))

FROM course\_fees;

---QUESTION 17

insert into course\_info values('8','CN','COMPUTER NETWORKS',to\_date('5-08-2021','DD-MM-YYYY'),10,60,'OF');

SELECT COURSE\_TYPE, course\_description as Message

FROM COURSE\_INFO

WHERE COURSE\_TYPE IN('CLR','EL','OF');

--question 18

select course\_start\_date ,sum(no\_of\_participants)

from course\_info

group by course\_start\_date;

--question 19

select course\_start\_date ,sum(no\_of\_participants)

from course\_info

where course\_type='CLR'

group by course\_start\_date;

--QUESTION 20

select course\_start\_date ,sum(no\_of\_participants)

from course\_info

where course\_type='CLR'

group by course\_start\_date

having sum(no\_of\_participants)>10;

--question 21

SELECT course\_name

from course\_info

ORDER BY course\_duration;

--question 22

create table student\_courses (

student\_id varchar(10),

course\_code varchar2(10),

foreign key (student\_id) references student\_info(student\_id),

foreign key (course\_code) references course\_info(course\_code)

);

insert into course\_info values('167','Soc','Sociology',to\_date('12-10-2020','DD-MM-YYYY'),6,90,'SC');

insert into student\_info values('3','vaibhav','ingle','Pune');

insert into student\_info values('1','Sumeet','Karbhari','Bidar');

insert into student\_info values('2','Devashish','kankanwar','pandharpur');

insert into student\_info values ('4','gurunath','deshmukh','nashik');

insert into student\_courses values('1','167');

insert into student\_courses values('2','1');

insert into student\_courses values('3','167');

insert into student\_courses values('4','2');

Select \* from course\_info;

select \* from course\_fees;

select \* from student\_courses;

SELECT s.student\_id, s.first\_name,s.last\_name,c.course\_code

from student\_info s inner join student\_courses c

on s.student\_id=c.student\_id

where course\_code='167'

;

--questuion 23

select discount ,course\_description

from course\_info c full join course\_fees f

on c.course\_code= f.course\_code;

--QUESTION 24

insert into student\_info values('5','sanket','mahadik','mahad');

SELECT s.first\_name,c.course\_code

from student\_info s left join student\_courses c

on s.student\_id=c.student\_id;

SELECT s.first\_name,c.course\_code

from student\_courses c right join student\_info s

on s.student\_id=c.student\_id;

--question 25

SELECT sc.student\_id

from student\_courses sc inner join (

Select ci.course\_code,cf.base\_fees

from course\_info ci inner join course\_fees cf

on ci.course\_code=cf.course\_code

) temp on sc.course\_code=temp.course\_code

where base\_fees<1500;

--question 26

SELECT temp1.student\_id ,temp1.name

from

(SELECT sc.student\_id,sc.course\_code,si.first\_name||si.last\_name as name

from student\_courses sc inner join student\_info si

on si.student\_id = sc.student\_id

) temp1 inner join (

Select ci.course\_code,cf.base\_fees

from course\_info ci inner join course\_fees cf

on ci.course\_code=cf.course\_code

) temp on

temp1.course\_code=temp.course\_code

where base\_fees<1500;