create database Assignment2;

use Assignment2;

CREATE TABLE PUBLISHERS

(

PUBID INT(3) PRIMARY KEY,

PNAME VARCHAR(30),

EMAIL VARCHAR(50) UNIQUE,

PHONE VARCHAR(30)

);

INSERT INTO PUBLISHERS VALUES (1,'WILLEY','WDT@VSNL.NET','91-11-23260877');

INSERT INTO PUBLISHERS VALUES (2,'WROX','INFO@WROX.COM',NULL);

INSERT INTO PUBLISHERS VALUES (3,'TATA MCGRAW-HILL','FEEDBACK@TATAMCGRAWHILL.COM','91-11-33333322');

INSERT INTO PUBLISHERS VALUES (4,'TECHMEDIA','BOOKS@TECHMEDIA.COM','91-11-33257660');

CREATE TABLE SUBJECTS

(

SUBID VARCHAR(5) PRIMARY KEY,

SNAME VARCHAR(30)

);

INSERT INTO SUBJECTS VALUES ('ORA','ORACLE DATABASE 10g');

INSERT INTO SUBJECTS VALUES ('JAVA','JAVA LANGUAGE');

INSERT INTO SUBJECTS VALUES ('JEE','JAVA ENTEPRISE EDITION');

INSERT INTO SUBJECTS VALUES ('VB','VISUAL BASIC.NET');

INSERT INTO SUBJECTS VALUES ('ASP','ASP.NET');

CREATE TABLE AUTHORS

(

AUID INT(5) PRIMARY KEY,

ANAME VARCHAR(30),

EMAIL VARCHAR(50) UNIQUE,

PHONE VARCHAR(30)

);

INSERT INTO AUTHORS VALUES (101, 'HERBERT SCHILD','HERBERT@YAHOO.COM',NULL);

INSERT INTO AUTHORS VALUES (102, 'JAMES GOODWILL','GOODWILL@HOTMAIL.COM',NULL);

INSERT INTO AUTHORS VALUES (103, 'DAVAID HUNTER','HUNTER@HOTMAIL.COM',NULL);

INSERT INTO AUTHORS VALUES (104, 'STEPHEN WALTHER','WALTHER@GMAIL.COM',NULL);

INSERT INTO AUTHORS VALUES (105, 'KEVIN LONEY','LONEY@ORACLE.COM',NULL);

INSERT INTO AUTHORS VALUES (106, 'ED. ROMANS','ROMANS@THESERVERSIDE.COM',NULL);

CREATE TABLE TITLES

(

TITLEID INT(5) PRIMARY KEY,

TITLE VARCHAR(30),

PUBID INT(3),

SUBID VARCHAR(5),

PUBDATE DATE,

COVER CHAR(1) CHECK ( COVER IN ('P','H','p','h')),

PRICE INT(4)

);

ALTER TABLE TITLES ADD CONSTRAINT TITLES\_PUBID\_FK FOREIGN KEY (PUBID) REFERENCES PUBLISHERS(PUBID);

ALTER TABLE TITLES ADD CONSTRAINT TITLES\_SUBID\_FK FOREIGN KEY (SUBID) REFERENCES SUBJECTS(SUBID);

INSERT INTO TITLES VALUES (1001,'ASP.NET UNLEASHED',4,'ASP','2002-04-12','P',540);

INSERT INTO TITLES VALUES (1002,'ORACLE10G COMP. REF.',3,'ORA','2005-05-01','P',575);

INSERT INTO TITLES VALUES (1003,'MASTERING EJB',1,'JEE','2005-02-03','P',475);

INSERT INTO TITLES VALUES (1004,'JAVA COMP. REF',3,'JAVA','2005-04-03','P',499);

INSERT INTO TITLES VALUES (1005,'PRO. VB.NET',2,'VB','2005-06-15','P',450);

CREATE TABLE TITLEAUTHORS

(

TITLEID INT(5) ,

AUID INT(5) ,

IMPORTANCE INT(2),

PRIMARY KEY(TITLEID,AUID)

);

ALTER TABLE TITLEAUTHORS ADD CONSTRAINT TITLESAUTHORS\_TITLEID\_FK FOREIGN KEY (TITLEID) REFERENCES TITLES(TITLEID);

ALTER TABLE TITLEAUTHORS ADD CONSTRAINT TITLESAUTHORS\_AUTHID\_FK FOREIGN KEY (AUID) REFERENCES AUTHORS(AUID);

INSERT INTO TITLEAUTHORS VALUES (1001,104,1);

INSERT INTO TITLEAUTHORS VALUES (1002,105,1);

INSERT INTO TITLEAUTHORS VALUES (1003,106,1);

INSERT INTO TITLEAUTHORS VALUES (1004,101,1);

INSERT INTO TITLEAUTHORS VALUES (1005,103,1);

INSERT INTO TITLEAUTHORS VALUES (1005,102,2);

select pname, phone, email from Publishers;

select aname, phone from Authors;

select titleid, title, pubdate from Titles;

select auid, titleid, importance from titleauthors;

select \*from subjects where sname in ('ORACLE DATABASE 10g');

select \*from subjects where sname regexp 'ORACLE?';

select \*from subjects where sname regexp '^j';

select \*from subjects where sname regexp '[[:<:]]j';

select \*from subjects where sname regexp '.net?';

select \*from subjects where sname regexp 'er$';

select \*from subjects where sname regexp 'er[[:>:]]';

select \*from publishers where pname regexp 'hill?';

select \*from subjects where sname like '%ORACLE%';

select \*from subjects where sname like 'j%';

select \*from subjects where sname like '%.net%';

select \*from authors where aname like '%er';

select \*from publishers where pname like '%hill%';

select title from titles where price < 500;

select title from titles where pubdate < '2005-04-03';

select sname from subjects where subid="java" or subid="jee";

select aname from authors where auid>103;

select \* from titles where titleid=101 or price >400;

select \* from publishers where pname in ("TECHMEDIA","WROX");

select max(price) highest\_price from titles;

select avg(importance) avg\_importance from titleauthors;

select count(\*)as records from authors ;

select sum(price) sum\_of\_prices from titles;

select title from titles where month(pubdate)=4;

select year(current\_date()) ;

select month(current\_date()) ;

select last\_day(pubdate) from titles where subid="java";

create table Employee(

emp\_id integer,

emp\_name char(50)) ;

insert into Employee values(1,'Prachi Surwade');

insert into Employee values(2,'Pallavi');

insert into Employee values(3,'Megha');

alter table employee add column dept\_id varchar(20);

alter table employee modify column emp\_name varchar(50);

alter table employee rename Scott;

truncate table Scott;

create table Emp( SAL float(7,3));

insert into Emp values(1234.567);

insert into Emp values(1530.567);

insert into Emp values(1652.786);

insert into Emp values(1775.15);

SELECT ROUND(1234.567,-1) AS RoundValue;

SELECT ROUND(1234.567,2) AS RoundValue;

SELECT CEIL(1775.15) AS CeilValue;

SELECT CEIL(1652.786) AS CeilValue;

SELECT CEILING(1775.15) AS CeilValue;

SELECT CEILING(1652.786) AS CeilValue;

SELECT FLOOR(25.75) AS FloorValue;

SELECT FLOOR(25.175) AS FloorValue;

SELECT SIGN(15);

SELECT SIGN(-15);

SELECT 17 MOD 5;

SELECT SQRT(25);

SELECT POWER(4,-2);

SELECT POWER(4,2);

SELECT ASCII('CDAC juhu');

SELECT BIN('CDAC juhu');

SELECT HEX('CDAC juhu');

SELECT BIT\_LENGTH('CDAC juhu');

SELECT CHAR('CDAC juhu');

SELECT CHAR\_LENGTH('CDAC juhu');

SELECT CONCAT('CDAC' 'juhu');

SELECT LCASE('CDAC juhu');

SELECT LOWER('CDAC juhu');

SELECT MID('CDAC juhu',4,3);

SELECT REVERSE('CDAC juhu');

SELECT UPPER('CDAC juhu');

SELECT LEFT('CDAC juhu', 3);

SELECT LENGTH('CDAC juhu');

SELECT DATE\_ADD('1998-01-02', INTERVAL 31 DAY);

SELECT ADDTIME('1997-12-31 23:59:59.999999','1 1:1:1.000002');

SELECT CONVERT\_TZ('2004-01-01 12:00:00','GMT','MET');

SELECT CONVERT\_TZ('2004-01-01 12:00:00','+00:00','+10:00');

SELECT CURDATE();

SELECT CURDATE()+0;

SELECT CURTIME();

SELECT CURTIME()+0;

SELECT DATE('2003-12-31 01:02:03');

SELECT DATEDIFF('1997-12-31 23:59:59','1997-12-30');

SELECT DATE\_ADD('1997-12-31 23:59:59', INTERVAL '1:1' MINUTE\_SECOND);

SELECT DATE\_ADD('1999-01-01', INTERVAL 1 HOUR);

SELECT DATE\_FORMAT('1997-10-04 22:23:00', '%W %M %Y');

SELECT DAYNAME('1998-02-05');

SELECT MONTHNAME('1998-02-05');

SELECT DAYOFWEEK('1998-02-03');

SELECT DAYOFYEAR('1998-02-03');

SELECT EXTRACT(YEAR FROM '1999-07-02');

SELECT EXTRACT(YEAR\_MONTH FROM '1999-07-02 01:02:03');

SELECT HOUR('10:05:03');

SELECT LAST\_DAY('2003-02-05');

SELECT MAKEDATE(2001,31), MAKEDATE(2001,32);

SELECT MAKETIME(12,15,30);

SELECT NOW();