1

CREATE TABLE BOOK (ISBN INT ,TITLE VARCHAR(10), PUB\_YEAR INT ,UNIT\_PRICE INT ,AUTHOR\_NAME VARCHAR(20) ,PUBLISHER\_NAME VARCHAR(20));

INSERT INTO BOOK

VALUES ('1001' ,'Oracle' , '2004' , '399' ,'Arora' ,'PHI');

INSERT INTO BOOK

VALUES ('1002', 'DBMS', '2004','400', 'Basu', 'Technical');

INSERT INTO BOOK

VALUES ('2001','DOS', '2003', '250', 'Sinha', 'Nirali');

INSERT INTO BOOK

VALUES ('2002', 'ADBMS', '2004','450',' Basu',' Technical');

INSERT INTO BOOK

VALUES ('2003', 'Unix', '2000',' 300',' Kapoor',' SciTech');

SELECT TITLE FROM BOOK

WHERE UNIT\_PRICE BETWEEN 300 AND 400;

ALTER TABLE BOOK

RENAME COLUMN UNIT\_PRICE TO NEW\_PRICE;

SELECT TITLE, NEW\_PRICE FROM BOOK

ORDER BY TITLE ASC;

SELECT AVG(NEW\_PRICE) , COUNT(TITLE) FROM BOOK;

SELECT AUTHOR\_NAME FROM BOOK

WHERE AUTHOR\_NAME LIKE '\_r%' OR AUTHOR\_NAME LIKE '\_a%';

SELECT PUBLISHER\_NAME FROM BOOK

WHERE PUBLISHER\_NAME LIKE '%c%';

SELECT TITLE , AUTHOR\_NAME,PUBLISHER\_NAME FROM BOOK

WHERE PUB\_YEAR = '2000' OR PUB\_YEAR ='2002' OR PUB\_YEAR ='2004';

SELECT TITLE FROM BOOK

WHERE NEW\_PRICE > (SELECT min (NEW\_PRICE) FROM BOOK WHERE PUB\_YEAR='2004');

CREATE VIEW TITLE\_AUTHORS AS

SELECT TITLE ,AUTHOR\_NAME FROM BOOK;

SELECT \* FROM TITLE\_AUTHORS;

2.

CREATE TABLE DEPOSITOR(CUSTOMER\_NAME VARCHAR(10),ACCOUNT\_NO VARCHAR(10),PRIMARY KEY (CUSTOMER\_NAME));

INSERT INTO DEPOSITOR

VALUES('John','1001');

INSERT INTO DEPOSITOR

VALUES('Sita','1002');

INSERT INTO DEPOSITOR

VALUES('Vishal','1003');

INSERT INTO DEPOSITOR

VALUES('Ram','1004');

CREATE TABLE BORROWER(CUSTOMER\_NAME VARCHAR(10),LOAN\_NO VARCHAR(10),PRIMARY KEY (CUSTOMER\_NAME));

INSERT INTO BORROWER

VALUES('John','2001');

INSERT INTO BORROWER

VALUES('Tonny','2003');

INSERT INTO BORROWER

VALUES('Rohit','2004');

INSERT INTO BORROWER

VALUES('Vishal','2002');

SELECT CUSTOMER\_NAME FROM DEPOSITOR

UNION

SELECT CUSTOMER\_NAME FROM BORROWER;

SELECT DEPOSITOR.CUSTOMER\_NAME

FROM DEPOSITOR

INNER JOIN BORROWER

ON DEPOSITOR.CUSTOMER\_NAME = BORROWER.CUSTOMER\_NAME;

SELECT CUSTOMER\_NAME FROM DEPOSITOR

WHERE CUSTOMER\_NAME NOT IN (SELECT CUSTOMER\_NAME FROM BORROWER);

ALTER TABLE DEPOSITOR

DROP PRIMARY KEY;

ALTER TABLE BORROWER

DROP PRIMARY KEY;

3

CREATE TABLE Employee (Emp\_name varchar(10) ,City varchar(10));

insert into Employee

values('Hari',' Pune');

insert into Employee

values('Om', 'Mumbai');

insert into Employee

values('Smith',' Nashik ');

insert into Employee

values('Jay',' Solapur ');

CREATE TABLE Employee\_salary(Emp\_name varchar(10), Department varchar(10), Salary int);

insert into Employee\_salary

values('Hari', 'Computer',' 10000');

insert into Employee\_salary

values('Om', 'IT', '7000');

insert into Employee\_salary

values('Bill','Network', '8000');

insert into Employee\_salary

values('Jay', 'IT', '5000');

SELECT Employee.Emp\_name, Employee\_salary.salary

FROM Employee

INNER JOIN Employee\_salary

ON Employee.Emp\_name = Employee\_salary.Emp\_name;

SELECT Employee.Emp\_name,Employee\_salary.salary

FROM Employee

LEFT JOIN Employee\_salary

ON Employee.Emp\_name = Employee\_salary.Emp\_name;

SELECT Employee.Emp\_name,Employee\_salary.salary

FROM Employee

FULL JOIN Employee\_salary

ON Employee.Emp\_name = Employee\_salary.Emp\_name;

DELETE FROM Employee\_salary

WHERE Department='Network';

select \* from Employee\_salary;

update Employee\_salary set salary = salary + salary\*0.15

where Employee\_salary.salary < (select avg(salary) from Employee\_salary);

select \* from Employee\_salary;