**SET-1**

create table clientfy34(

clno varchar2(4) primary key,

clname varchar2(15)NOT NULL,

addr varchar2(15)

);

insert into clientfy34 values('C004','ABHINAV','pune');

insert into clientfy34 values('C005','GAURAV','pune');

create table salesfy34(

ordno number(4) primary key,

orddate date,

clno varchar2(4) references clientfy34(clno) on delete cascade

);

insert into salesfy34 values(1001,'18-march-2019','C004');

insert into salesfy34 values(1002,'10-february-2019','C004');

insert into salesfy34 values(1003,'19-march-2019','C004');

insert into salesfy34 values(1004,'16-march-2019','C005');

insert into salesfy34 values(1005,'19-march-2019','C005');

insert into salesfy34 values(1006,'01-march-2019','C005');

insert into salesfy34 values(1007,'02-january-2018','C005');

insert into salesfy34 values(1008,'01-january-2018','C005');

query--->

3.

update salesfy34 SET orddate ='18-march-2019' WHERE clno='C004';

select \* from salesfy34

|  |  |  |
| --- | --- | --- |
| **ORDNO** | **ORDDATE** | **CLNO** |
| 1001 | 18-MAR-19 | C004 |
| 1002 | 18-MAR-19 | C004 |
| 1003 | 18-MAR-19 | C004 |
| 1004 | 16-MAR-19 | C005 |
| 1005 | 19-MAR-19 | C005 |
| 1006 | 01-MAR-19 | C005 |
| 1007 | 02-JAN-18 | C005 |
| 1008 | 01-JAN-18 | C005 |

4.

delete from salesfy34 where orddate <'10-february-2018';

|  |  |  |
| --- | --- | --- |
| **ORDNO** | **ORDDATE** | **CLNO** |
| 1001 | 18-MAR-19 | C004 |
| 1002 | 18-MAR-19 | C004 |
| 1003 | 18-MAR-19 | C004 |
| 1004 | 16-MAR-19 | C005 |
| 1005 | 19-MAR-19 | C005 |
| 1006 | 01-MAR-19 | C005 |
|  |  |  |

5.

select clname,orddate from clientfy34,salesfy34 where clientfy34.clno=salesfy34.clno order by(orddate);

|  |  |
| --- | --- |
| **CLNAME** | **ORDDATE** |
| GAURAV | 01-MAR-19 |
| GAURAV | 16-MAR-19 |
| ABHINAV | 18-MAR-19 |
| ABHINAV | 18-MAR-19 |
| ABHINAV | 18-MAR-19 |
| GAURAV | 19-MAR-19 |

=========================================

**SET-2**

create table custfy34101(

cno number(3) primary key,

cname varchar2(15),

addr varchar2(15),

city varchar2(15)

);

insert into custfy34101 values(101,'raghav','midc','baramati');

insert into custfy34101 values(102,'manoj','midc','baramati');

insert into custfy34101 values(103,'ranjit','khupr','pimpri');

insert into custfy34101 values(104,'samay','midc','baramati');

create table loanfy34101(

lno number(3) primary key,

lamt number(10) check(lamt>1000000)

);

insert into loanfy34101 values(1,11000000);

insert into loanfy34101 values(2,12000000);

insert into loanfy34101 values(3,11000000);

insert into loanfy34101 values(4,11000000);

create table custloanfy34(

lno number(3) references loanfy34101 on delete cascade,

cno number(3) references custfy34101 on delete cascade

);

insert into custloanfy34 values(1,101);

insert into custloanfy34 values(2,102);

insert into custloanfy34 values(3,103);

insert into custloanfy34 values(4,104);

**1)select distinct \* from custfy34101,custloanfy34,loanfy34101 where loanfy34101.lamt >1000000;**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |
| **CNO** | **CNAME** | **ADDR** | **CITY** | **LNO** | **CNO** | **LNO** | **LAMT** |
| **101** | **raghav** | **midc** | **baramati** | **1** | **101** | **1** | **11000000** |
| **104** | **samay** | **midc** | **baramati** | **4** | **104** | **4** | **11000000** |
| **102** | **manoj** | **midc** | **baramati** | **2** | **102** | **2** | **12000000** |
| **103** | **ranjit** | **khupr** | **pimpri** | **3** | **103** | **3** | **11000000** |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

**2)select \* from custfy34101,custloanfy34,loanfy34101 where custfy34101.cno=custloanfy34.cno and loanfy34101.lno=custloanfy34.lno and custfy34101.cname like 'sa%'**

CNO CNAME ADDR CITY LNO CNO LNO LAMT

104 samay midc baramati 4 104 4 11000000

**3)select custfy34101.cname from custfy34101,custloanfy34,loanfy34101 where custfy34101.cno=custloanfy34.cno and loanfy34101.lno=custloanfy34.lno and custfy34101.city='pimpri' order by custfy34101.cname desc;**

CNAME

Ranjit

**4)select distinct custfy34101.cname,loanfy34101.lamt from custfy34101,custloanfy34,loanfy34101 where custfy34101.cno=custloanfy34.cno and loanfy34101.lno=custloanfy34.lno and loanfy34101.lamt in**

**(select max(loanfy34101.lamt) from custfy34101,custloanfy34,loanfy34101 where custfy34101.cno=custloanfy34.cno and loanfy34101.lno=custloanfy34.lno);**

|  |  |
| --- | --- |
| **CNAME** | **LAMT** |
| manoj | 12000000 |

**5)select sum(loanfy34101.lamt) as TOTAL from loanfy34101;**

|  |
| --- |
| **TOTAL** |
| 45000000 |

**SET-3**

create table dept103(

deptno number(3) primary key,

deptname varchar2(15),

loc varchar2(15)

);

insert into dept103 values(1,'sales','baramati');

insert into dept103 values(2,'marketing','baramati');

insert into dept103 values(3,'compscience','baramati');

select \* from dept103;

|  |  |  |
| --- | --- | --- |
| **DEPTNO** | **DEPTNAME** | **LOC** |
| 1 | sales | baramati |
| 2 | marketing | baramati |
| 3 | compscience | baramati |

create table emp103(

empno number(3) primary key,

empname varchar2(15),

addr varchar2(15),

sal number(10)check(sal>0),

desg varchar2(15),

deptno number(3) references dept103(deptno) on delete cascade

);

insert into emp103 values(101,'ranjit','baramati',80000,'hod',1);

insert into emp103 values(102,'jhadav','baramati',50000,'manager',1);

insert into emp103 values(103,'rahul','baramati',20000,'supervisor',2);

insert into emp103 values(104,'manish','baramati',30000,'assistant',3);

insert into emp103 values(105,'taher','baramati',10000,'clerk',3);

select \* from emp103;

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **EMPNO** |  |  |  | **EMPNAME** |  |  | **ADDR** |  |  |  | **SAL** |  |  |  |  |  |  | **DESG** |  |  |  |  |  |  |  |  |  |  |  | **DEPTNO** |
| 101 |  |  |  | ranjit |  |  | baramati |  |  |  | 80000 |  |  |  |  |  |  | hod |  |  |  |  |  |  |  |  |  |  |  | 1 |
| 103 |  |  |  | rahul |  |  | baramati |  |  |  | 20000 |  |  |  |  |  |  | supervisor |  |  |  |  |  |  |  |  |  |  |  | 2 |
| 102 |  |  |  | jhadav |  |  | baramati |  |  |  | 50000 |  |  |  |  |  |  | manager |  |  |  |  |  |  |  |  |  |  |  | 1 |
| 105 |  |  |  | taher |  |  | baramati |  |  |  | 10000 |  |  |  |  |  |  | clerk |  |  |  |  |  |  |  |  |  |  |  | 3 |
| 104 |  |  |  | manish |  |  | baramati |  |  |  | 30000 |  |  |  |  |  |  | assistant |  |  |  |  |  |  |  |  |  |  |  | 3 |

1)select sum(emp103.sal) from emp103,dept103 where emp103.deptno=dept103.deptno and dept103.deptname='compscience';

|  |
| --- |
| **SUM(EMP103.SAL)** |
| 40000 |

2)select distinct dept103.deptname from emp103,dept103 where emp103.deptno=dept103.deptno and emp103.sal>10000;

|  |
| --- |
| **DEPTNAME** |
| sales |
| compscience |
| marketing |

3)select count(emp103.empno) from emp103,dept103 where emp103.deptno=dept103.deptno;

|  |
| --- |
| **COUNT(EMP103.EMPNO)** |
| 5 |

4)select dept103.deptname, max(emp103.sal) FROM emp103, dept103 WHERE emp103.deptno = dept103.deptno GROUP BY dept103.deptname;

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **DEPTNAME** |  |  |  |  |  | **MAX(EMP103.SAL)** |
| sales |  |  |  |  |  | 80000 |
| compscience |  |  |  |  |  | 30000 |
| marketing |  |  |  |  |  | 20000 |

S5)elect \* FROM emp103,dept103 WHERE emp103.deptno = dept103.deptno order by dept103.deptname;

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **EMPNAME** |  |  |  |  |  | **DEPTNAME** |
| taher |  |  |  |  |  | compscience |
| manish |  |  |  |  |  | compscience |
| rahul |  |  |  |  |  | marketing |
| ranjit |  |  |  |  |  | sales |
| jhadav |  |  |  |  |  | sales |

**SET-4**

create table dept101(

dno number(3) primary key,

dname varchar2(15),

hod varchar2(15)

);

create table project101(

pno number(3) primary key,

pname varchar2(15),

sdate date,

budget number(10),

status char(1)check(status in('c','P','I')),

dno number(3) references dept101(dno) on delete cascade

);

--department

insert into dept101 values(101,'sales','Mr.desai');

insert into dept101 values(102,'marketing','Mr.raghav');

insert into dept101 values(103,'accounting','Mr.yadav');

select \* from dept101

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **DNO** |  |  |  |  |  | **DNAME** |  |  |  | **HOD** |
| 102 |  |  |  |  |  | marketing |  |  |  | Mr.raghav |
| 103 |  |  |  |  |  | accounting |  |  |  | Mr.yadav |
| 101 |  |  |  |  |  | sales |  |  |  | Mr.desai |

--project

insert into project101 values(201,'MahaSales','01-march-2023',800000,'c',101);

insert into project101 values(202,'New\_year\_sales','19-march-2023',900000,'P',101);

insert into project101 values(203,'2024\_sales','17-april-2023',900000,'I',101);

insert into project101 values(204,'Marketing Yudh','19-march-2023',900000,'P',102);

insert into project101 values(205,'marketing mania','19-september-2023',800000,'I',102);

insert into project101 values(206,'Finance2023','20-march-2023',900000,'c',103);

select \* from project101 order by pno;

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **PNO** |  |  |  | **PNAME** |  |  |  | **SDATE** |  |  | **BUDGET** |  | **STATUS** |  |  |  | **DNO** |
| 201 |  |  |  | MahaSales |  |  |  | 01-MAR-23 |  |  | 800000 |  | c |  |  |  | 101 |
| 202 |  |  |  | New\_year\_sales |  |  |  | 19-MAR-23 |  |  | 900000 |  | P |  |  |  | 101 |
| 203 |  |  |  | 2024\_sales |  |  |  | 17-APR-23 |  |  | 900000 |  | I |  |  |  | 101 |
| 204 |  |  |  | Marketing Yudh |  |  |  | 19-MAR-23 |  |  | 900000 |  | P |  |  |  | 102 |
| 205 |  |  |  | marketing mania |  |  |  | 19-SEP-23 |  |  | 800000 |  | I |  |  |  | 102 |
| 206 |  |  |  | Finance2023 |  |  |  | 20-MAR-23 |  |  | 900000 |  | c |  |  |  | 103 |

Q1)select project101.pname,dept101.\* from project101,dept101 where project101.dno=dept101.dno and project101.status ='c';

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **PNAME** | **DNO** |  |  |  | **DNAME** |  |  |  | **HOD** |
| MahaSales | 101 |  |  |  | sales |  |  |  | Mr.desai |
| Finance2023 | 103 |  |  |  | accounting |  |  |  | Mr.yadav |

Q2)SELECT dept101.dname, SUM(project101.budget) AS department\_budget FROM dept101,project101 WHERE dept101.dno = project101.dno GROUP BY dept101.dname;

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **DNAME** |  |  |  |  | **DEPARTMENT\_BUDGET** |
| sales |  |  |  |  | 2600000 |
| accounting |  |  |  |  | 900000 |
| marketing |  |  |  |  | 1700000 |

Q3)select project101.pname,dept101.dname from project101,dept101 where project101.dno=dept101.dno and project101.status ='I';

|  |  |  |  |
| --- | --- | --- | --- |
| **PNAME** |  |  | **DNAME** |
| marketing mania |  |  | marketing |
| 2024\_sales |  |  | sales |

Q4)select dept101.dname from project101,dept101 where project101.dno=dept101.dno and project101.budget > 50000;

|  |
| --- |
| **DNAME** |
| marketing |
| marketing |
| sales |
| sales |
| sales |
| accounting |

Q5)select project101.pname from project101,dept101 where project101.dno=dept101.dno and dept101.hod='Mr.desai';

|  |
| --- |
| **PNAME** |
| MahaSales |
| New\_year\_sales |
| 2024\_sales |

**========================================================**

**SET-6**

create table book34(

bkno number(3) primary key,

title varchar2(15),

auth varchar2(15),

price number check(price>0),

yp number(4)

);

create table cust34(

cid number(3) primary key,

cname varchar2(15),

addr varchar2(15)

);

create table bc34(

bkno number(3) references book34(bkno) on delete cascade,

cid number(3) references cust34(cid) on delete cascade,

quan number(7)

);

insert into book34 values(101,'deep work','cal newport',100,2017);

insert into book34 values(102,'zero to one','peter theil',200,2013);

insert into book34 values(103,'atomic habbits','james clear',400,2018);

select \* from bc34;

insert into cust34 values(1,'hardik','mumbai');

insert into cust34 values(2,'raghav','baramati');

insert into cust34 values(3,'manohar','pune');

insert into cust34 values(4,'bandu','pune');

insert into cust34 values(5,'rithvik','mumbai');

insert into bc34 values(101,1,2);

insert into bc34 values(101,2,1);

insert into bc34 values(102,3,2);

insert into bc34 values(103,3,4);

insert into bc34 values(102,4,2);

insert into bc34 values(103,5,2);

1)select \* from cust34 where addr ='mumbai';

|  |  |  |
| --- | --- | --- |
| **CID** | **CNAME** | **ADDR** |
| 5 | rithvik | mumbai |
| 1 | hardik | mumbai |

2)select \* from book34 order by auth;

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **BKNO** | **TITLE** | **AUTH** | **PRICE** | **YP** |
| 101 | deep work | cal newport | 100 | 2017 |
| 103 | atomic habbits | james clear | 400 | 2018 |
| 102 | zero to one | peter theil | 200 | 2013 |

3)select cust34.cname from bc34,cust34,book34 where bc34.bkno = book34.bkno and bc34.cid = cust34.cid and book34.yp =2013;

|  |
| --- |
| **CNAME** |
| manohar |
| bandu |

4)select cust34.cname from bc34,cust34,book34 where bc34.bkno = book34.bkno and bc34.cid = cust34.cid and bc34.quan > 3;

|  |
| --- |
| **CNAME** |
| manohar |

5)select distinct book34.title from bc34,cust34,book34 where bc34.bkno = book34.bkno and bc34.cid = cust34.cid and book34.price between 100 and 300;

|  |
| --- |
| **TITLE** |
| zero to one |
| deep work |

=========================================================**SET-8**

CREATE TABLE emp34 (

eno NUMBER(3) PRIMARY KEY,

name VARCHAR2(15),

skill VARCHAR2(15),

payrate NUMBER(7)

);

INSERT INTO emp34 VALUES (101, 'raghav', 'waiter', 70000);

INSERT INTO emp34 VALUES (102, 'manoj', 'chef', 80000);

INSERT INTO emp34 VALUES (103, 'raghu', 'managerial', 90000);

INSERT INTO emp34 VALUES (104, 'manohar', 'cooking', 70000);

INSERT INTO emp34 VALUES (105, 'aditya', 'accounting', 60000);

insert into emp34 values (106,'mangesh','chef',80000);

insert into emp34 values (107,'rakesh','cooking',80000);

insert into emp34 values (108,'munna','chef',90000);

select \* from emp34

|  |  |  |  |
| --- | --- | --- | --- |
| **ENO** | **NAME** | **SKILL** | **PAYRATE** |
| 101 | raghav | waiter | 70000 |
| 102 | manoj | chef | 80000 |
| 103 | raghu | managerial | 90000 |
| 104 | manohar | cooking | 70000 |
| 105 | aditya | accounting | 60000 |
| 108 | munna | chef | 90000 |
| 106 | mangesh | chef | 80000 |
| 107 | rakesh | cooking | 80000 |

create table po34(

pno number(3) primary key,

skill varchar2(15)

);

insert into po34 values(101,'chef');

insert into po34 values(102,'manager');

insert into po34 values(103,'waiter');

insert into po34 values(104,'accounts');

insert into po34 values(105,'communication');

insert into po34 values(201,'master chef');

insert into po34 values(206,'grilling chef');

select \* from po34 order by pno

|  |  |  |
| --- | --- | --- |
| **PNO** |  | **SKILL** |
| 101 |  | chef |
| 102 |  | manager |
| 103 |  | waiter |
| 104 |  | accounts |
| 105 |  | communication |
| 201 |  | master chef |
| 206 |  | grilling chef |

create table ep34(

eno number(3) references emp34(eno) on delete cascade,

pno number(3) references po34(pno) on delete cascade,

shift varchar2(15),

dt date,

day varchar2(15)

);

insert into ep34 values(101,101,'morning','17-dec-2023','tuesday');

insert into ep34 values(101,101,'morning','17-dec-2023','wednesday');

insert into ep34 values(102,102,'night','18-dec-2023','wednesday');

insert into ep34 values(102,102,'night','18-dec-2023','thurday');

insert into ep34 values(103,103,'morning','19-dec-2023','thursday');

insert into ep34 values(104,104,'night','19-dec-2023','thursday');

insert into ep34 values(105,105,'morning','19-dec-2023','thursday');

insert into ep34 values(106,101,'morning','19-dec-2023','thursday');

insert into ep34 values(107,201,'morning','18-dec-2023','thursday');

insert into ep34 values(108,206,'morning','20-dec-2023','thursday');

select \* from ep34 order by eno;

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ENO** |  | **PNO** |  |  |  |  | **SHIFT** |  | **DT** |  |  |  |  |  |  |  |  |  |  | **DAY** |
| 101 |  | 101 |  |  |  |  | morning |  | 17-DEC-23 |  |  |  |  |  |  |  |  |  |  | wednesday |
| 101 |  | 101 |  |  |  |  | morning |  | 17-DEC-23 |  |  |  |  |  |  |  |  |  |  | tuesday |
| 102 |  | 102 |  |  |  |  | night |  | 18-DEC-23 |  |  |  |  |  |  |  |  |  |  | thurday |
| 102 |  | 102 |  |  |  |  | night |  | 18-DEC-23 |  |  |  |  |  |  |  |  |  |  | wednesday |
| 103 |  | 103 |  |  |  |  | morning |  | 19-DEC-23 |  |  |  |  |  |  |  |  |  |  | thursday |
| 103 |  | 103 |  |  |  |  | morning |  | 19-DEC-23 |  |  |  |  |  |  |  |  |  |  | thursday |
| 103 |  | 103 |  |  |  |  | morning |  | 19-DEC-23 |  |  |  |  |  |  |  |  |  |  | thursday |
| 104 |  | 104 |  |  |  |  | night |  | 19-DEC-23 |  |  |  |  |  |  |  |  |  |  | thursday |
| 105 |  | 105 |  |  |  |  | morning |  | 19-DEC-23 |  |  |  |  |  |  |  |  |  |  | thursday |
| 106 |  | 101 |  |  |  |  | morning |  | 19-DEC-23 |  |  |  |  |  |  |  |  |  |  | thursday |
| 107 |  | 201 |  |  |  |  | morning |  | 18-DEC-23 |  |  |  |  |  |  |  |  |  |  | thursday |
| 108 |  | 206 |  |  |  |  | morning |  | 20-DEC-23 |  |  |  |  |  |  |  |  |  |  | thursday |

Q1) select emp34.name,emp34.skill,emp34.payrate from emp34,po34,ep34 where ep34.eno = emp34.eno and ep34.pno=po34.pno and po34.skill is not null;

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **NAME** |  |  |  |  |  | **SKILL** |  |  |  |  |  |  | **PAYRATE** |
| raghav |  |  |  |  |  | waiter |  |  |  |  |  |  | 70000 |
| raghav |  |  |  |  |  | waiter |  |  |  |  |  |  | 70000 |
| manoj |  |  |  |  |  | chef |  |  |  |  |  |  | 80000 |
| manoj |  |  |  |  |  | chef |  |  |  |  |  |  | 80000 |
| raghu |  |  |  |  |  | managerial |  |  |  |  |  |  | 90000 |
| raghu |  |  |  |  |  | managerial |  |  |  |  |  |  | 90000 |
| raghu |  |  |  |  |  | managerial |  |  |  |  |  |  | 90000 |
| manohar |  |  |  |  |  | cooking |  |  |  |  |  |  | 70000 |
| aditya |  |  |  |  |  | accounting |  |  |  |  |  |  | 60000 |
| munna |  |  |  |  |  | chef |  |  |  |  |  |  | 90000 |
| mangesh |  |  |  |  |  | chef |  |  |  |  |  |  | 80000 |
| rakesh |  |  |  |  |  | cooking |  |  |  |  |  |  | 80000 |

Q2) select emp34.eno from emp34,po34,ep34 where ep34.eno = emp34.eno and ep34.pno=po34.pno and po34.pno=201 and po34.skill<>'waiter';

|  |
| --- |
| **ENO** |
| 107 |

Q3) select distinct emp34.name from emp34,po34,ep34 where ep34.eno = emp34.eno and ep34.pno=po34.pno and emp34.skill='chef' and po34.skill is not null;

|  |
| --- |
| **NAME** |
| manoj |
| munna |
| mangesh |

Q4) select emp34.eno,ep34.dt from emp34,po34,ep34 where ep34.eno = emp34.eno and ep34.pno=po34.pno and ep34.day='tuesday'AND emp34.eno IN(SELECT ep34.eno FROM ep34 WHERE ep34.day != 'tuesday');

|  |  |
| --- | --- |
| **ENO** | **DT** |
| 101 | 17-DEC-23 |

Q5)

SELECT distinct emp34.name,ep34.shift,ep34.day

FROM ep34,emp34,po34

ORDER BY ep34.shift;

|  |  |  |
| --- | --- | --- |
| **NAME** | **SHIFT** | **DAY** |
| aditya | morning | thursday |
| aditya | morning | tuesday |
| aditya | morning | wednesday |
| mangesh | morning | thursday |
| mangesh | morning | tuesday |
| mangesh | morning | wednesday |
| manohar | morning | thursday |
| manohar | morning | tuesday |
| manohar | morning | wednesday |
| manoj | morning | thursday |
| manoj | morning | tuesday |
| manoj | morning | wednesday |
| munna | morning | thursday |
| munna | morning | tuesday |
| munna | morning | wednesday |
| raghav | morning | thursday |
| raghav | morning | tuesday |
| raghav | morning | wednesday |
| raghu | morning | thursday |
| raghu | morning | tuesday |
| raghu | morning | wednesday |
| rakesh | morning | thursday |
| rakesh | morning | tuesday |
| rakesh | morning | wednesday |
| aditya | night | thurday |
| aditya | night | thursday |
| aditya | night | wednesday |
| mangesh | night | thurday |
| mangesh | night | thursday |
| mangesh | night | wednesday |
| manohar | night | thurday |
| manohar | night | thursday |
| manohar | night | wednesday |
| manoj | night | thurday |
| manoj | night | thursday |
| manoj | night | wednesday |
| munna | night | thurday |
| munna | night | thursday |
| munna | night | wednesday |
| raghav | night | thurday |
| raghav | night | thursday |
| raghav | night | wednesday |
| raghu | night | thurday |
| raghu | night | thursday |
| raghu | night | wednesday |
| rakesh | night | thurday |
| rakesh | night | thursday |
| rakesh | night | wednesday |

**SET-9**

CREATE TABLE bill34 (

billno number(3) PRIMARY KEY,

day DATE,

tableno number(3),

total number(7) CHECK (total > 0)

);

INSERT INTO bill34 values(301, '08-jan-2013', 1, 750);

INSERT INTO bill34 values(302, '08-jan-2013', 2, 1205);

INSERT INTO bill34 values(303, '01-dec-2013', 3, 950);

INSERT INTO bill34 values(304, '01-dec-2013', 4, 505);

INSERT INTO bill34 values(305, '01-dec-2013', 4, 405);

select \* from bill34;

|  |  |  |  |
| --- | --- | --- | --- |
| **BILLNO** | **DAY** | **TABLENO** | **TOTAL** |
| 303 | 01-DEC-13 | 3 | 950 |
| 305 | 01-DEC-13 | 4 | 405 |
| 301 | 08-JAN-13 | 1 | 750 |
| 302 | 08-JAN-13 | 2 | 1205 |
| 304 | 01-DEC-13 | 4 | 505 |

CREATE TABLE menu34(

dno number(3) PRIMARY KEY,

dish VARCHAR(25),

price number(3) CHECK (price > 0)

);

INSERT INTO menu34 values(1, 'Spaghetti Carbonara', 199);

INSERT INTO menu34 values(2, 'manga Alfredo', 145);

INSERT INTO menu34 values(3, 'Margherita Pizza', 175);

INSERT INTO menu34 values(4, 'Caesar Salad', 299);

INSERT INTO menu34 values(5, 'biryani', 299);

|  |  |  |
| --- | --- | --- |
| **DNO** | **DISH** | **PRICE** |
| 1 | Spaghetti Carbonara | 199 |
| 2 | manga Alfredo | 145 |
| 3 | Margherita Pizza | 175 |
| 4 | Caesar Salad | 299 |
| 5 | biryani | 299 |

CREATE table bm34 (

billno number(3) references bill34(billno) on delete cascade,

dish\_no number(3) references menu34(dno) on delete cascade,

quantity number(3)

);

INSERT INTO bm34 VALUES(301, 1, 2);

insert into bm34 values(301, 3, 1);

insert into bm34 values(302, 2, 3);

insert into bm34 values(303, 4, 2);

insert into bm34 values(304, 1, 1);

insert into bm34 values(305, 2, 2);

select \* from bm34 order by billno;

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **BILLNO** | | | | | **DISH\_NO** | **QUANTITY** |
| 301 | | | | | 1 | 2 |
| 301 | | | | | 3 | 1 |
| 302 | | | | | 2 | 3 |
| 303 | | | | | 4 | 2 |
| 304 | | | | | 1 | 1 |
| 304 | | | | | 1 | 1 |
| 305 | | | | | 2 | 2 |
| **Q1) select bill34.billno,menu34.dish,menu34.price,bm34.quantity,bill34.total from bm34,bill34,menu34 where bm34.billno=bill34.billno and bm34.dno=menu34.dno;** | | | | |  |  |
|  | | | | |  |  |
|  | | | | |  |  |
| **BILLNO** | **DISH** | **PRICE** | **QUANTITY** | **TOTAL** |
| 301 | Spaghetti Carbonara | 199 | 2 | 750 |
| 304 | Spaghetti Carbonara | 199 | 1 | 505 |
| 303 | Caesar Salad | 299 | 2 | 950 |
| 305 | manga Alfredo | 145 | 2 | 405 |
| 301 | Margherita Pizza | 175 | 1 | 750 |
| 302 | manga Alfredo | 145 | 3 | 1205 |

Q2)SELECT SUM(Bill34.total) AS total\_amount\_collected

FROM bill34

WHERE Bill34.day = '08-jan-2013';

|  |
| --- |
| **TOTAL\_AMOUNT\_COLLECTED** |
| 1955 |

Q3)SELECT billno, COUNT(\*) AS menu\_count

FROM bm34

WHERE billno = 301

GROUP BY billno;

|  |  |
| --- | --- |
| **BILLNO** | **MENU\_COUNT** |
| 301 | 2 |

Q4)SELECT dno, dish, price

FROM menu34

WHERE price BETWEEN 100 AND 500;

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **DNO** |  |  |  |  | **DISH** |  |  |  |  |  |  |  | **PRICE** |
| 2 |  |  |  |  | manga Alfredo |  |  |  |  |  |  |  | 145 |
| 3 |  |  |  |  | Margherita Pizza |  |  |  |  |  |  |  | 175 |
| 1 |  |  |  |  | Spaghetti Carbonara |  |  |  |  |  |  |  | 199 |
| 4 |  |  |  |  | Caesar Salad |  |  |  |  |  |  |  | 299 |
| 5 |  |  |  |  | biryani |  |  |  |  |  |  |  | 299 |

Q5)SELECT tableno, COUNT(\*) AS bill\_count

FROM bill34

WHERE day = '01-dec-2013'

GROUP BY tableno;

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **TABLENO** |  |  |  |  |  | **BILL\_COUNT** |
| 4 |  |  |  |  |  | 2 |
| 3 |  |  |  |  |  | 1 |