

7.2) $T \times T_2$

P	Q	$T.R$	A	B	$T_2.R$
10	a	5	10	b	6
10	a	5	25	c	3
10	a	5	10	b	5
15	b	8	10	b	6
15	b	8	25	c	3
15	b	8	10	b	5
25	a	6	10	b	6
25	a	6	25	c	3
25	a	6	10	b	5

8.e) Create table Supplier (

Sid INT,

Sname Varchar

address Varchar

primary key (Sid)

Create table part (

PID INT

Pname Varchar

colour Varchar

primary key (PID)

Create table Catalog (

SID INT

PID INT

Cost Real

primary key (PID, SID)

primary key (SID, PID)

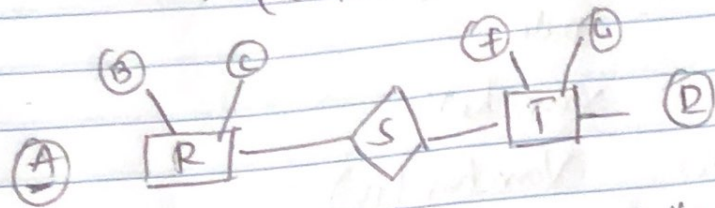
foreign key SID Reference Catalog

foreign key PID Reference Catalog.

8.1) given $R(\underline{A}, B, C)$

$S(\underline{A}, \underline{D})$

$T(\underline{D}, f, G)$



In one-to-one mapping between R & T can be written as.

$R(\underline{A}, B, C)$ and $S(\underline{A}, \underline{D})$

$T(\underline{D}, f, G)$

S could also used D for primary key

participation T to S is total. To combine S to R could require null value for A in R without D value

Better to combine S into T schema

$R(\underline{A}, B, C)$

$T(\underline{D}, f, G, A)$

So the given relations can be arranged as

$R(\underline{A}, B, C)$

$T(\underline{D}, f, G, A)$

8.3) select C.pid
from Parks P, Catalog C
where p.colour = 'red' and p.colour = 'green'

10.1) Create table employee (

Emp_id

INT

E_name

Varchar

gender

Varchar(10)

DOB

Date

disability

Varchar

health status

Varchar(10)

primary key (Emp_id)

Create table company (

Company_name

Varchar

term_id

Varchar

corporate status

Varchar

primary key (company name)

Create table lives (

Emp_ID

INT

street

Varchar(10)

city

Varchar(10)

primary key (Emp_ID)

Create table works (

Emp_ID

INT

company name Varchar

Salary Numeric
primary key (Emp ID, Company Name)

create local-stg (

Company Name Varchar

City Varchar

primary key Company Name

(Employee x work)

10.20

R

C

Employee Fname

work CompanyName = "Ruston Bank"

work.Emp_ID = Employee.Emp_ID