Consider the following schema

I:

Salesperson(sid:integer, sname:string, age:real)

Sales(sid:integer, pid:integer, day:date)

Products(pid:integer, pname:string, rating:integer, category:string)

1. Count the no. of each product sales by salesperson with name “ramana”
2. Find the no. of products which are not listed in sales relation
3. Find the name and age of the salespersons who have done sales of all different products
4. Display the product details which are better in rating than product named “yippie” in category “noodles”
5. Find the name of salesperson who have done sales of both products “Maggie” and “Good day”

Salesperson:

sid	**sname**	**age**
10	ramana	25
11	raju	30
12	vimala	28

Sales:

sid	**pid**	**day**
10	121	01/11/15
10	111	01/11/15
10	111	02/11/15
11	121	03/11/15
12	121	03/11/15

Product:

pid	**pname**	**rating**	**category**
101	yippie	6	noodles
111	maggie	8	noodles
121	Good day	8	biscuits

II:

Consider the following schema

Player(pname:string, country:string, category:string)

Format (fname:string, oversperday:integer, days:integer)

Rankings(pname:string, fname:string, rank:integer)

1. Find the player name who are listed for all formats in Rankings table
2. Display the name and category of player who has highest rank for each format
3. Find the player names who are listed in rankings table only for “ODI” format but NOT for “Test” format
4. Add an attribute age to players table and put age of player named “kohli” to 27
5. Count the no. of players in each country
6.

Players :

pname	**country**	**category**
Ashwin	India	Bowler
Kohli	India	Batsman
De villiers	South Africa	Batsman

Rankings

pname	**fname**	**rank**
kohli	ODI	2
kohli	Twenty20	2
Ashwin	ODI	10
Ashwin	Test	2
Ashwin	Twenty20	5
Devilliers	ODI	1

Format

Fname	**oversperday**	**days**
ODI	100	1
Twenty20	40	1
Test	90	5

III:

Consider the following schema

Faculty (fid:integer, fname:string, qualification:string, age:real)

Teaches(fid:integer, cid:string, year-sem:string)

Course(cid:string, cname:string, textbook:string)

1. Find faculty names whose qualification is “M.Tech” and teaches at least two different courses
2. Find faculty names whose age is below 30 and teaches all the courses
3. Find course name and textbooks of the courses taught by either “kavitha” or “venu”
4. Count the no. of courses for each “year-sem”
5. Alter the table courses to add a new attribute “credits” and update the credits to 4 for the courses taught by faculty with fid 10

Faculty

fid	**fname**	**qualification**	**age**
10	kavitha	M.Tech	32
11	vanitha	M.C.A	29
12	venu	M.Tech	33

Teaches

fid	**cid**	**Year-sem**
10	CS201	2-1
10	CS301	3-1
12	CS401	4-1
11	CS301	3-1
11	CS302	3-1

Course

cid	**cname**	**textbook**
CS201	DBMS	Database concepts
CS301	COA	Computer architecture
CS401	JAVA	Complete reference JAVA
CS302	FLAT	Formal languages