Dayu Liu

Homework 1

0028021243

Note: <> means ≠ (not equal to)

Question1

1. Find the snames of the students who registered in the course with cname "Database"

O TV Sname ((6 cname = "Davabase" (ourses) X Students X Grades)

2. Find the snames of students who got a ggrade "A" in all courses

[CSN7 | 355 (CSS,SN7 & Students N & CC,CI, CN (CCC,CI,CN) & Courses A 3GS, GC,GG (CGS,GC,GG) & Grader A CI = GC AS = GS A GG = "A")))]

3. Find the cids of courses taught by at least two different instructors

{CC|3CII, CIN(CC, CII, CINE COURSES A 3 CZI CZN(CC, CZI, CZN & Causes A CII <> CZI))}

4. Find the sids of students who never received a ggrade "D"

{ 55 | 75N (<55,5N) & Gudents 177 GC, GG (C55, GC, GG) & Grades 1 GG= "D")) }

5. Find the sids of students who received the highest grade

{GS|3GC,GG(<GS,GC, GG> & Grades 173G25,G2C,G2G) (<G2S,G2C,G2G> & Grades 1 G2G > GG)}

Question2

- 1. Find the name of the books which genres are fiction and prices are greater than 30 and publishers are Pottermore.
- 2. Find the pid of publisher who has a book that charges more than any other books published by other publishers.
- 3. Find the pid of publisher who has a book that charges less than any other books published by other publishers.
- 4. Find the pid of publish who has a book that charges more than any other books published by other publishers.

5.

RA:
Typnane (Gbtitle="Gone with the Wind" Publishers M Catalog M Books)

PRC: [<PN>|=PP-PA(<PP.PN,PA>-EPhblishers/)=CB_CC(<CB,PP,CC) (<PN)|=PP-PA(<PP.PN,PA>-EPhblishers/)=CB_CC(<CB,PP,CC) (<CB_BT,BG>-EBooks ABT='Gore With the Wind')))))}

It I. pname | = PI-E Publishers (t1. pid=P1. pid A = C1 = (atalog (C1. pid=P1. pid A = b1. b1+ Books (B1. bid=C1. bid A b1. btitle="Gone With the Wind")))}