

Date . . . . No

Năm học 2019 - 2020

tập 1

1.1)

~~Bên~~ cành : Thanh Hải, Mộng Thị, Thanh Già

Nó chia:  $t_1$  +  $t_2$   $\in$  Thanh Hải

~~Bên~~ cành  $\rightarrow$  Thanh Già

Nó chia:  $t_1$   $t_2$   $\in$  Thanh Già,  $t_2 \in$  Thanh Già ( $t_1$   $\in$  ~~M~~ M)  
 $= t_1$ .  $M$   $\cap$   $t_1$ .  $M$  NOT =  $t_2$   $M$  NOT  $t_1$   $\in$   $M$  NOT  
 $= 1 \Rightarrow t_2$ .  $M$  NOT  $\neq 1$

bên' : Thanh | Thanh | Xoa' | Súc'

Thanh Già | + | - | + (M) NOT)

1.2)

a) SELECT Họ Tên, Ngày Sinh, Giới Tính  
FROM Văn phòng Việt

WHERE Quyết Tich = 'UK'

ORDER BY Họ Tên ASC

b) SELECT ~~WAV~~ HANOV, ~~WAV~~ HANOI

FROM Thành Phố TP, ~~WAV~~ HANOV, ~~WAV~~ HANOI

WHERE TP. HANOV = ~~WAV~~ HANOV  $\cap$  TP. HANOI  
AND TP. HANOI = NOT  $\cap$  TP. HANOI

AND NOT  $\cap$  TP. HANOI = NOT  $\cap$  TP. HANOI

AND NOT  $\cap$  TP. HANOI = 'Bên'  $\cap$  'T'

AND TP. HANOI = 'Olympic Tokyo 2020'

c) `SELECT COUNT(MANDT) AS SLNV  
 FROM THAMGIA TG  
 JOIN VanDongVien VDV CN TG.MANDV = VDV.MANDV  
 JOIN Thevien TVH CN TVH.MATVH = TG.MATVH  
 WHERE VDV.QuocTich = 'Nhật Bản'  
 AND TVH.Nam = 2020`

d) `SELECT VDV.MANDV.HoTen, VDV.QuocTich  
 FROM VanDongVien VDV  
 JOIN ThamGia TG CN TG.MANDV = VDV.MANDV  
 JOIN NoidungThamGia NG CN NG.MANDT = TG.MANDT  
 WHERE NG.TenNDT = '100m bơi, ngao'  
 AND VDV.MANDV IN /`

`SELECT VDV.MANDV  
 FROM VanDongVien VDV, ThamGia TG, NoidungThamGia NG  
 WHERE VDV.MANDV = TG.MANDV  
 AND TG.MANDT = NG.MANDT  
 AND NOT NG.TenNDT = '200m bơi, ngao'`

e) `SELECT VDV.MANDV, VDV.HoTen  
 FROM VanDongVien VDV  
 WHERE VDV.QuocTich = 'UK'  
 AND NOT EXISTS (`  
`SELECT *  
 FROM Thevien TVH  
 WHERE NOT EXISTS ( TVH.Nam >= 2008  
 SELECT *  
 AND NOT EXISTS (`

Date . . . No

SELECT \*

FROM Mangia TG

WHERE TG. MaDV = DV MalDV

AND TB. MATDV = DV THU.MATDV

MATDV

)

1) SELECT DV, Name, DV MalDV  
FROM ~~DV~~ Com\_dog bin DV  
JOIN Mangia TG ON TG.MaDV = DV MalDV

WHERE

JOIN Thuvien TVH ON TVH.MATDV = TG.MATDV

WHERE TVH.TenTVH = ' Olympic RIO 2016 '

GROUP BY DV, Name

HAVING COUNT

= 1

AND TG.HUYCHIENG ~~IS NOT NULL~~

GROUP BY DV MalDV GROUP BY DV MalDV

HAVING COUNT (DV, Name) >= 2

Huychien

2)

2.1) a) CGF = CG

= CGD ( $f_3$ )

= CGD BE ( $f_6$ )

= CGD BEH ( $f_4$ )

A F ~~≠~~ B

=) Xo thu

b) TN = A

$$TG = \{ C, D, E \}$$

$$TH = \{ B, G, H \}$$

$$\text{Xét } TN^+ = A + Q^+$$

Xe<sup>1</sup>

$$AC^+ = ACDEBEN = Q^+ \rightarrow \text{khoa}'$$

$$AD^+ = ADCGBEHN = Q^+ \rightarrow \text{khoa}'$$

$$AE^+ = AEBH + Q^+$$

$$ACD^+ = ACAGBEN = Q^+ \rightarrow \text{số khoa}'$$

$$ACE^+ = ACEBNDG = Q^+ \rightarrow \text{số khoa}'$$

$$ADE^+ = ADEGGHN = Q^+ \rightarrow \text{số khoa}'$$

$$ACDE^+ = ACDFGBN = Q^+ \rightarrow \text{số khoa}'$$

$\Rightarrow$  Khoa' là AC và AD

$\Rightarrow$  Tập con - thời sự = {A, C, D}

$$A_F^+ = A, C_F^+ = CABF, D_F^+ = D$$

bao động' của' C chia' bao E

$\Rightarrow$  Khoa' là C

ĐIỂM 2

1.1)

Bài này là bài làm bài Thucanhoi  
 Nội dung: + t/c E Thucanhoi, t/c E Thucanhoi (t2, Ma  
 = t1, Nam + q => t1. Ma QG + t2. Ma QG)

b) :

$$\begin{array}{c} \text{Thucanhoi} \\ + \end{array} \quad \left[ \begin{array}{c|c|c} \text{Nam} & \text{Xem} & \text{Số} \\ - & & + (\text{Nam}, \text{Ma QG}) \end{array} \right]$$

1.2)

a) `SELECT HocBom, Ng.Sinh  
 FROM LopHoc  
 WHERE Tinh = 'Nhà' AND QuocTich = 'TQ'`

b) `SELECT TG, MaNDV  
 FROM ThamGia TG  
 JOIN Nguoidung ND ON TG.MaNDV = ND.MaNDV  
 WHERE`

`JOIN Thucanhoi TH ON TH.MaTH = TG.MaTH  
 WHERE TH.TenTM = 'Olympic Rio 2016'`

`AND ND.TenND = 'Phú Thanh'  
 c) SELECT COUNT(MaNDV) AS SONG  
 FROM ThamGia TG  
 JOIN VanDong VD ON TG.MaVDV = VD.MaVD  
 WHERE JOIN Thucanhoi TH ON TG.MaTH = TH.MaTH  
 WHERE VD.QuocTich = 'Trung Quốc'  
 AND TH.Nam = 2012`

Date . . . No

d) SELECT LOV. NOTA, LOV. QUOC 825  
FROM VANDONG VIEN LOV, THAM GIA TG, MARDY THINH  
WHERE LOV. MA LOV = TG. MA LOV  
AND TG. MANOT = NOT. MANOT  
AND NOT. TANNOT = '100m boi ngua'  
AND LOV. MA LOV NOT IN (

SELECT LOV. MA LOV

FROM VANDONG VIEN LOV, THAM GIA TG, MARDY THINH  
WHERE LOV. MA LOV = TG. MA LOV  
NOT.

AND TG. MANOTE NOT. MANOT

AND NOT. TANNOT = '200m ty do'

e) SELECT LOV. MA LOV, LOV. NOTA

FROM VANDONG VIEN LOV

WHERE LOV. GIOI TINH = 'Nam'

AND NOT EXISTS (LOV. QUOC THI = 'DE')

AND NOT EXISTS (

SELECT \*

FROM THE VAN HOI THI

WHERE THI.THI.NAM >= 2012

AND NOT EXISTS (

SELECT \*

FROM THAM GIA TG

WHERE TG. MA LOV = LOV. MA LOV

AND TG. MA THI = LOV. MA THI)

)

f) SELECT LOV. NOTA, LOV. MA LOV

FROM VANDONG VIEN LOV

Date . . . No ..

JOIN Thanggia TB ON TB. MaWD = LDV. MaWD  
 JOIN Noidich-thi MDT ON TB. MaNDT = MDT.MaWD  
 WHERE TB.NDTHI = 'Binh Ngay'  
 AND TB.Muycuong = 1  
 HAVING COUNT  
 GROUP BY Muycuong  
 HAVING COUNT(Muycuong) >= 2

2)

$$\begin{aligned}
 1.1) \quad BE_F^+ &= BE \\
 &= BEG (f_3) \\
 &= BEGAN (f_6) \\
 &= BEGANC (f_4) \\
 &\vdash
 \end{aligned}$$

$AC \in PF_F^+ \rightarrow \text{co' thoi'}$

$$\begin{aligned}
 2.2) \quad TN &= \{A, \emptyset\} \cup \{C, \emptyset\} \\
 TA &= \{A, E, \emptyset\} \\
 TD &= \{B, C, H, G\}
 \end{aligned}$$

$$X_0^+ TN^+ = DA + Q^+ \rightarrow \text{khong phai' thoi'}$$

$$\begin{aligned}
 DA^+ &= DA (1) + Q^+ \rightarrow \text{co' phai' thoi'} \\
 AC \emptyset^+ &= EAD ACD GQEH \emptyset = Q^+ \rightarrow \text{co' phai' thoi'} \\
 AE \emptyset^+ &= DQ \emptyset + C^+ \rightarrow \text{co' phai' thoi'} \\
 DAF^+ &= AED B H G C = Q^+ \rightarrow \text{co' phai' thoi'}
 \end{aligned}$$

$$AEC = AE C Q H D G - Q^+ \rightarrow \text{sinh thoi'}$$

Date . . . No

$$ACD PEP^+ =$$

$$\cancel{AECG}^+ =$$

$$AECD$$

$$ACD \& BPEI \Rightarrow \text{giảm khoa'}$$

$$AECD \& BHGQ^+ \Rightarrow \text{giảm khoa'}$$

$\rightarrow$  Khoa' hổn AC

Xem tập con nhất số SA, CB

$$A^+ = A$$

$$C^+ = ACD$$

$C^+$  có chia' D

$\Rightarrow$  Khoa' chia' 2