**Bài tập SQL**

1. a.

Selec TENNCC

FROM NCC,CC, MH

WHERE NCC.MSNCC=CC.MSNCC

AND MH.MSMH=CC.MSMH

AND MH.Màu sắc=N’đỏ;

b.

SELECT MSNCC

FROM NCC, CC, MH

WHERE

NCC.MSNCC=CC.MSNCC

AND MH.MSMH=CC.MSMH

AND (MH.Màu sắc=N’đỏ OR MH.Màu

sắc=N’xanh’);

c.

SELECT MSNCC

FROM CC, MH

WHERE

AND MH.Màu sắc=N’đỏ

AND MSNCC IN(

MH.MSMH=CC.MSMH

SELECT MSNCC

FROM CC C1,MH MH1

WHERE C1.MSMH=MH1.MSMH

AND MH1.Màu sắc=N’xanh;

d.

SELECT MSNCC

FROM CC, MH

WHERE

AND MH.Màu sắc= đỏ

CC.MSMH=MH.MSMH

GROUP BY MSNCC

HAVING COUNT(MSMH)=(

SELECT COUNT(MSMH)

FROM MH

WHERE Màu sắc=N’đỏ);

e.

SELECT MSNCC

FROM CC, MH

WHERE

AND MH.Màu sắc=N’đỏ

CC.MSMH=MH.MSMH

GROUP BY MSNCC

HAVING COUNT(MSMH)=(

SELECT COUNT(MSMH)

FROM MH

WHERE Màu sắc=N’đỏ)

INTERSECT

SELECT MSNCC

FROM CC, MH

WHERE CC.MSMH=MH.MSMH

AND MH.Màu sắc=N’xanh’

GROUP BY MSNCC

HAVING COUNT(MSMH)=(

SELECT COUNT(MSMH)

FROM MH

WHERE Màu sắc=N’xanh’);

f.

SELECT MSNCC

FROM CC, MH

WHERE CC.MSMH=MH.MSMH

AND MH.Màu sắc=N’đỏ’

GROUP BY MSNCC

HAVING COUNT(MSMH)=(

SELECT COUNT(MSMH)

FROM MH

WHERE Màu sắc=N’đỏ’)

UNION

SELECT MSNCC

FROM CC, MH

WHERE CC.MSMH=MH.MSMH

AND MH.Màu sắc=N’xanh’

GROUP BY MSNCC

HAVING COUNT(MSMH)=(

SELECT COUNT(MSMH)

FROM MH

WHERE Màu sắc=N’xanh’);

g.

SELECT MSNCC

FROM CC C1, CC C2

WHERE C1.MSMH=C2.MSMH

AND C1.GiaTri>C2.GIATRI;

h.

SELEC MSMH

FROM CC

GROUP BY MSMH

HAVING COUNT(MSNCC)>2;

i.

SELECT MSMH

FROM CC, NCC

WHERE CC.MSNCC=NCC.MSNCC

AND TENNCC=N’Dustin’

AND GIATRI>=ALL(

SELECT GIATRI

FROM CC,NCC

WHERE CC.MSNCC=NCC.MSNCC

AND TENNCC=N’Dustin’);

j.

SELECT MSMH

FROM CC

WHERE GIATRI<200

GROUP BY MSMH

HAVING COUNT(MSNCC)=(

SELECT COUNT(MSNCC)

FROM NCC);



SELECT HOTEN, TUOI

FROM NV, LV, P

WHERE NV.MSNV=LV.MSNV

AND P.MSP=LV.MSP

AND P.TENPHONG=N’Tổ chức’

AND NV.MSNV = ANY(

SELECT NV.MSNV

FROM NV, LV, P

WHERE NV.MSNV=LV.MSNV

AND P.MSP=LV.MSP

AND P.TENPHONG=N’Kế hoạch’);

b.

SELECT MSP, COUNT(MSNV)

FROM P, NV, LV

WHERE P.MSP=LV.MSP

AND NV.MSNV=LV.MSNV

GROUP BY MSP

HAVING COUNT(MSNV)>20;

c.

SELECT HOTEN

FROM NV, P ,LV

WHERE NV.MSNV=LV.MSNV

AND P.MSP=LV.MSP

AND LUONG >= MAX(NGANQUY);

d.

SELECT MS\_TRUONGPHONG

FROM P

GROUP BY MS\_TRUONGPHONG

HAVING MIN(NGANQUY)>1000000;

e.

SELECT HOTEN

FROM NV, P

WHERE P.MS\_TRUONGPHONG=NV.MSNV

AND NGANQUY>=ALL(

SELECT MAX(NGANQUY)

FROM P);

f.

SELECT MS\_TRUONGPHONG

FROM P

GROUP BY MS\_TRUONGPHONG

HAVING SUM(NGANQUY)>5000000;

SELECT TENDA

FROM DA

WHERE NGANSACH>50000 AND NGANSACH<100000;

b.

SELECT HOTEN

FROM NV, TG, DA

WHERE NV.MANV=TG.MANV

AND DA.MADA=TG.MADA

AND TENDA=N’Quản lý đào tạo’;

c.

SELECT MANV

FROM TG, DA

WHERE TG.MADA=DA.MADA

AND TENDA=N’Quản lý đào tạo’

AND MANV = ANY(

SELECT MANV

FROM TG, DA

WHERE TG.MADA=DA.MADA

AND TENDA=N’Đào tạo từ xa’);

d.

SELECT MSNV

FROM TG, DA

WHERE TG.MSDA=DA.MSDA

AND TENDA=N’Quản lý đào tạo’

MINUS

SELECT MSNV

FROM TG, DA

WHERE TG.MSDA=DA.MSDA

AND TENDA=N’Đào tạo từ xa’

e.

SELECT MSP

FROM P

MINUS

SELECT MSP

FROM NV, P, TG

WHERE NV.MANV=TG.MANV

AND NV.MAP=P.MAP