

Faculty(ch, Tb, bt) ch not null
unique

Department(ch, bt)

Course(tb, bt,
Program(bt,

ابراهيم القوي
جبرين الشريف

bt
not
null

Q1

$D_2P(\frac{Id}{PK}, name, ch)_{FK}$

$$F \sim c\left(\frac{Id^c}{pk}, m_{max}, Rank, Phono, \text{symplicity}\right)$$
$$\frac{idD}{FK}$$

$\text{Pro}(w_{m2}, \text{type}_2, \text{Dfs}, \text{intro}, \text{adm req},$

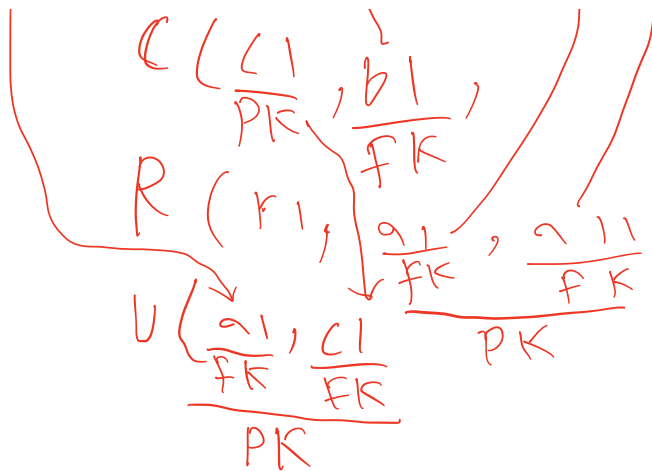
$\text{COVR} \left[\frac{\text{CCode}_2, \text{Name}_2, \text{CKredit}, \text{CDesc}, \text{PName}}{\text{PK} \uparrow, \quad \quad \quad \text{fk}}$

$$T_{\text{out by}} \left(\frac{C_{\text{CO}_2}}{F_K}, \frac{F_{\text{ID}}}{F_K}, \text{Sem}, \text{Year} \right)$$

Q2

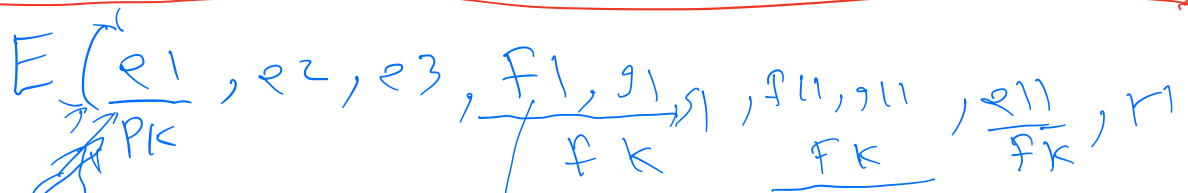
$A \left(\overline{a_1}, b_1, \right)$
 $\xrightarrow{\quad} PK \quad FK$
 $B \left(b_1, b_2, \right)$
 $\quad \quad \quad \overline{PK}$

العائز توماني لازم
تأخذ لها الجنب اليمين
والجنب الايسر وانما
كان ما فيه مثل ال
هنا هو اه جنب خا:



وضیف

Q3



ما تسمى
entity

multi value

ولا تسمى جدول

(f1, g1)
unique,
not null

entity

لا تسمى entity

94

$$D\left(\frac{b_1}{pk}, b_2, \frac{c_1}{pk}\right)$$

$$\left(\frac{c_1}{pk}, c_2\right)$$

$$A \left(\underbrace{a_1, \frac{b_1}{FK}}_{\frac{b_1}{FK}}, \frac{b_{11}}{FK} \right)$$
$$R(a_1, b_1, b_{11}, v_1)$$
$$V \left(\frac{a_1, b_1}{PK}, \frac{a_1, b_1}{PK} \right)$$
$$v_1(\underbrace{a_1, b_1, b_{11}}_{PK}, v)$$

< 1 not
null,
TP,
vri₂
1:1

bill
 not null
 unique