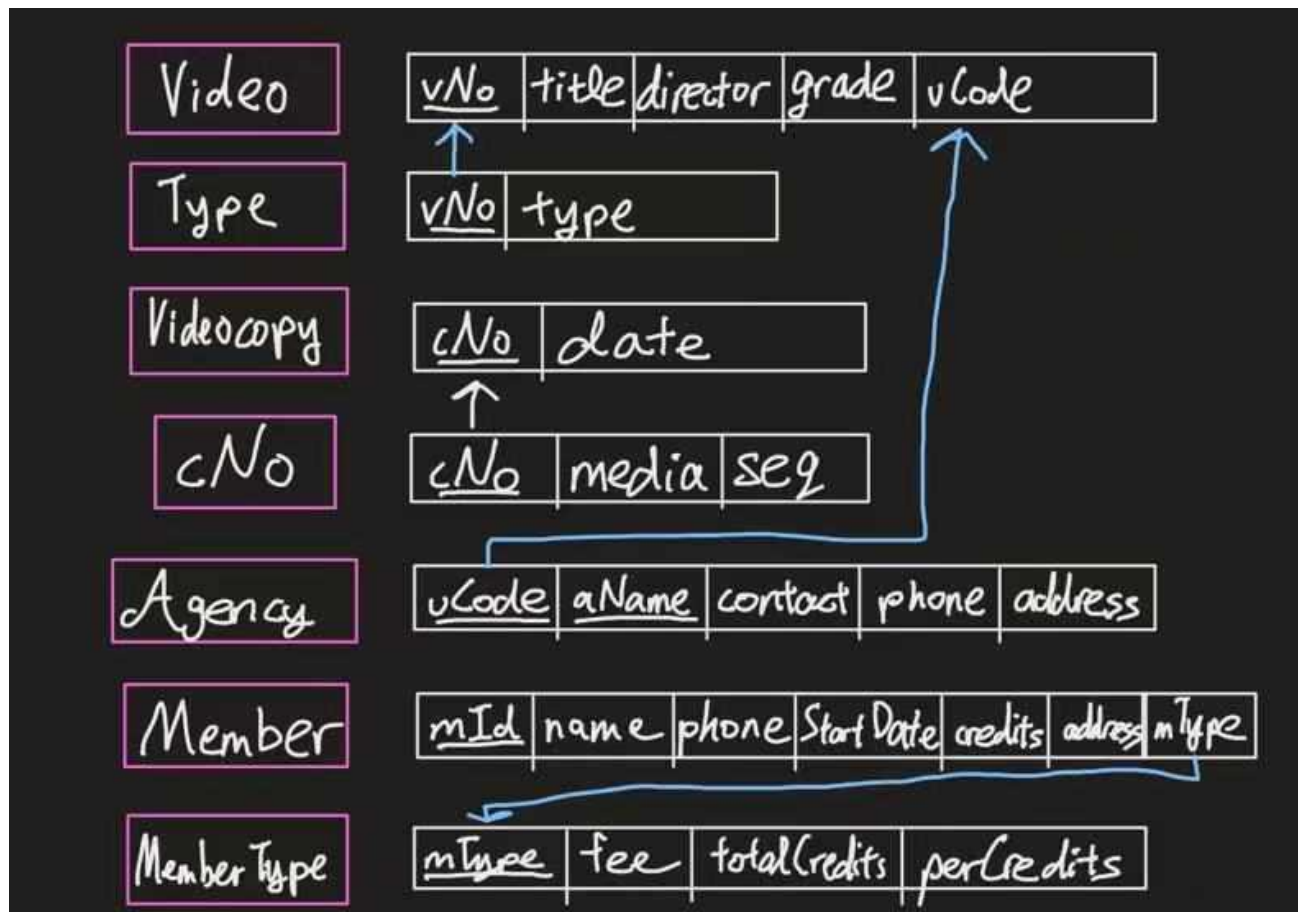


黃偉棟 01057162 資工 3B

1a.

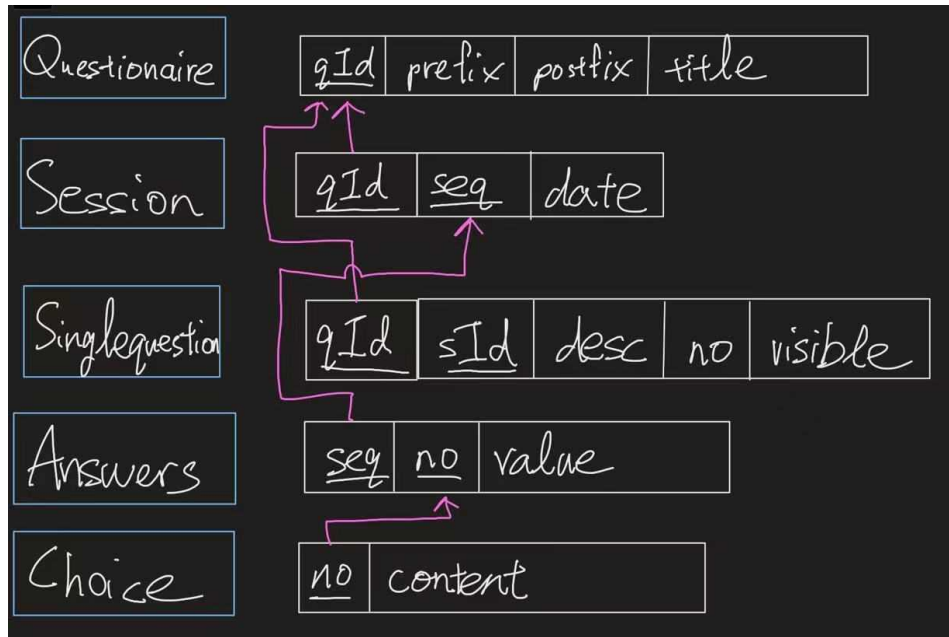


1b.

i. 不會，因為 Video 都引用 Foreign Key 作為 key。

ii. 會，Agency 會被影響。

2a.



2b.

- i. 會, 因為 SingleQuestion 的 qId 會變成 Questionnaire 的 Foreign Key, 因此會影響 Questionnaire 的 qId 不見。
- ii. 會, Questionnaire 會被影響。

3.

```
CREATE TABLE Department
```

```
{
```

```
    dId VARCHAR(10) NOT NULL,
```

```
    dName CHAR(10) NOT NULL,
```

```
    PRIMARY KEY(dId)
```

```
}
```

```
CREATE TABLE DepartmentLocations
```

```
{
```

```
    dId VARCHAR(10) NOT NULL,
```

```
    dLocation CHAR(10) NOT NULL,
```

```
    PRIMARY KEY(dLocation),
```

```
    FOREIGN KEY(dId) Department (dId)
```

```
}
```

```
CREATE TABLE Position {
```

```
    dId VARCHAR(10) NOT NULL,
```

```
    pName VARCHAR(20) NOT NULL,
```

```
    pDesc VARCHAR(30) NOT NULL,
```

```
    PRIMARY KEY(pName),
```

```
    FOREIGN KEY(dId) Department (dId)
```

```
}  
CREATE TABLE Vacancy {  
    vId VARCHAR(10) NOT NULL,  
    dId VARCHAR(10) NOT NULL,  
    pName CHAR(20) NOT NULL,  
    vCond CHAR(20) NOT NULL,  
    vNo INT(30) NOT NULL,  
    vDate DATETIME NOT NULL,  
    PRIMARY KEY(vId),  
    FOREIGN KEY(dId,pName) Position  
    (dId,pName)  
}
```

```
CREATE TABLE Applicant {  
    pId VARCHAR(10) NOT NULL,  
    name CHAR(20) NOT NULL,  
    gender CHAR(1) NOT NULL,  
    data VARCHAR(50),  
    PRIMARY KEY(pId),}
```

```
CREATE TABLE Apply
{
    vld VARCHAR(20) NOT NULL,
    pld VARCHAR(20) NOT NULL
    FOREIGN KEY (vld) Vacancy (vld),
    FOREIGN KEY (pld) Applicant (pld)
}
```

```
CREATE TABLE Degree
{
    pld VARCHAR(20) NOT NULL,
    degree CHAR(40) NOT NULL,
    FOREIGN KEY (pld) Applicant (pld),
    PRIMARY KEY (degree)
}
```

```
CREATE TABLE Employee
{
    eld VARCHAR (20) NOT NULL,
    name CHAR (20) NOT NULL,
    gender CHAR(1) NOT NULL,
    PRIMARY KEY (eld)}
```

```
CREATE TABLE Interview
{
    vld VARCHAR(20) NOT NULL,
    pld VARCHAR(20) NOT NULL,
    eld VARCHAR(20) NOT NULL,
    date DATETIME,
    comment CHAR(60),
    FOREIGN KEY (vld) Vacancy (vld),
    FOREIGN KEY (pld) Applicant (pld),
    FOREIGN KEY (eld) Employee (eld)
}
```

```
CREATE TABLE Expertise
{
    eld VARCHAR(20) NOT NULL,
    expertise VARCHAR (30) NOT NULL,
    FOREIGN KEY (eld) Employee (eld),
    PRIMARY KEY (expertise)
}
```