Database (1)：

**information**

class 1: **user**

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| --- | --- | --- |
| Name | Type | Introduction |
| id | int | Each user has one unique id.(primary key) |
| name | varchar(50) | Users name. |
| password | varchar(50) | Users password |
| email | varchar(50) | The account to login |
| state | int | 1 for teacher / 0 for TA |

class 2: **course**

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| --- | --- | --- |
| Name | Type | Introduction |
| course\_id | int | Each course has different id.(primary key) |
| course\_name | varchar | Course name |
| course\_period | int | The period of this course would be taked. |
| teacher\_id | int | The teacher teaches this course. |
| ta\_id | int | The ta teaches this course. (0 means none.) |

class 3: **course\_info**

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| --- | --- | --- |
| Name | Type | Introduction |
| course\_id | int | Each course has different id.(primary key) |
| assignment | int | The percentage of this assessment occupied.(20 means 20%) |
| quiz | int | The percentage of this assessment occupied.(20 means 20%) |
| test | int | The percentage of this assessment occupied.(20 means 20%) |
| midterm | int | The percentage of this assessment occupied.(20 means 20%) |
| final | int | The percentage of this assessment occupied.(20 means 20%) |
| cilo\_num | int | The number of cilos. |

class 4: question

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| --- | --- | --- |
| Name | Type | Introduction |
| course\_id | int | The id of a course |
| type | varchar(1) | The type of an assessment(assignment, quiz, test, midterm, final) |
| num\_ass | int | The No. of an assessment of a course. |
| num\_que | int | The No. of a question in an assessment |
| content | text | The content of a question in an assessment |
| score | int | The score of a question in an assessment |

class 5: question\_cilo

|  |  |  |
| --- | --- | --- |
| Name | Type | Introduction |
| course\_id | int | The id of a course |
| type | varchar(1) | The type of an assessment(assignment, quiz, test, midterm, final) |
| num | int | The No. of a question in an assessment |
| cilo | int | If the question is matching which No. cilo. （） |

class 6: grade

|  |  |  |
| --- | --- | --- |
| Name | Type | Introduction |
| course\_id | int | The id of a course |
| student\_id | int | The id of a student |
| type | varchar(1) | The type of an assessment(assignment, quiz, test, midterm, final) |
| num\_ass | int | The No. of an assessment of a course. |
| num\_que | int | The No. of a question in an assessment |
| grade\_per | int | The grade of a student |

class 7: grade\_total

|  |  |  |
| --- | --- | --- |
| Name | Type | Introduction |
| course\_id | int | The id of a course |
| student\_id | int | The id of a student |
| type | varchar(1) | The type of an assessment(assignment, quiz, test, midterm, final) |
| num\_ass | int | The No. of an assessment of a course. |
| grade\_sum | int | The total grade of a course |