**Database Relationship Table**

# Tables

## Table student

Columns

* PK-primary key
* Null
* FK- foreign key

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| Id | number | PK |  |
| first\_name | varchar2(100) | null |  |
| last\_name | varchar2(100) |  |  |
| Email | varchar2(255) |  |  |
| registration\_date | date |  |  |
| num\_of\_courses\_enrolled | number |  |  |
| num\_of\_courses\_completed | number |  |  |

## Table instructor

Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| Id | number | PK |  |
| first\_name | varchar2(50) |  |  |
| last\_name | varchar2(50) |  |  |
| Email | varchar2(50) |  |  |
| registration\_date | date |  |  |
| Qualification | varchar2(200) |  |  |
| introduction\_brief | varchar2(1000) |  |  |
| Image | blob |  |  |
| num\_of\_published\_courses | number |  |  |
| num\_of\_enrolled\_students | number |  |  |
| average\_review\_rating | number |  |  |
| num\_of\_reviews | number |  |  |

## Table course

Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| id | number | PK |  |
| course\_title | varchar2(200) |  |  |
| course\_brief | varchar2(400) |  |  |
| instructor\_id | number |  |  |
| num\_of\_chapters | number |  |  |
| course\_fee | number |  |  |
| language\_id | number |  |  |

## Table enrollment

Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| id | number | PK |  |
| student\_id | number |  |  |
| course\_id | number |  |  |
| enrollment\_date | date |  |  |
| is\_paid | char(1) |  |  |

## Table course\_chapter

Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| id | number | PK |  |
| course\_id | number |  |  |
| chapter\_title | varchar2(100) |  |  |
| num\_of\_reading | number |  |  |
| num\_of\_video | number |  |  |
| num\_of\_assignment | number |  |  |

## Table learning\_progress

Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| Id | number | PK |  |
| enrollment\_id | number |  |  |
| course\_chapter\_content\_id | number |  |  |
| begin\_timestamp | timestamp |  |  |
| completion\_timestamp | timestamp |  |  |
| Status | char(1) |  |  |

## Table feedback

. Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| id | number | PK |  |
| enrollment\_id | number |  |  |
| rating\_score | number |  |  |
| feedback\_text | varchar2(4000) | null |  |
| submission\_date | date |  |  |

## Table course\_chapter\_content

Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| id | number | PK |  |
| course\_chapter\_id | number |  |  |
| content\_type\_id | number |  |  |
| is\_mandatory | char(1) |  |  |
| time\_required\_in\_sec | number |  |  |
| is\_open\_to\_download | char(1) |  |  |

## Table content\_type

Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| id | number | PK |  |
| content\_type | varchar2(20) |  |  |

## Table language

Columns

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Type** | **Properties** | **Description** |
| id | number | PK |  |
| language\_name | varchar2(50) |  |  |