## Создать таблицы

1. ZIPCODE\_INFO

| Field Name | Type | Length |
| --- | --- | --- |
| ZIP\_CODE | VARCHAR2 | 5 |
| CITY | VARCHAR2 | 10 |

**CREATE TABLE** ZIPCODE\_INFO(  
 ZIP\_CODE VARCHAR2(5),  
 CITY VARCHAR2(10)  
);

1. INSTRUCTOR\_INFO

| Field Name | Type | Length |
| --- | --- | --- |
| INSTRUCTOR\_ID | NUMBER | 8,0 |
| INSTRUCTOR**\_**FIRST\_NAME | VARCHAR2 | 15 |
| INSTRUCTOR**\_**LAST\_NAME | VARCHAR2 | 15 |

**CREATE TABLE** TRUCTOR\_INFO(  
 INSTRUCTOR\_ID NUMBER(8,0),  
 INSTRUCTOR\_FIRST\_NAME VARCHAR2(15),  
 INSTRUCTOR\_LASTT\_NAME VARCHAR2(15)

);  
**alter table** TRUCTOR\_INFO **rename to** INSTRUCTOR\_INFO ;

1. COURSE\_INFO

| Field Name | Type | Length |
| --- | --- | --- |
| COURSE\_NO | NUMBER | 8,0 |
| COST | NUMBER | 5,2 |

**CREATE TABLE** COURSE\_INFO (  
 COURSE\_NO NUMBER(8,0),  
 COST NUMBER(5,2)

);

1. STUDENT\_INFO

| Field Name | Type | Length |
| --- | --- | --- |
| STUDENT\_ID | NUMBER | 8,0 |
| STUDENT**\_**FIRST\_NAME | VARCHAR2 | 15 |
| STUDENT**\_**LAST\_NAME | VARCHAR2 | 15 |

**CREATE TABLE** STUDENT\_INFO (  
 STUDENT\_ID NUMBER(8,0),  
 STUDENT\_FIRST\_NAME VARCHAR2(15),  
 STUDENT\_LAST\_NAME VARCHAR2(15)  
);

1. SECTION\_INFO

| Field Name | Type | Length |
| --- | --- | --- |
| SECTION\_ID | NUMBER | 8,0 |
| COURSE\_NO | NUMBER | 8,0 |
| SECTION\_NO | NUMBER | 5 |
| INSTRUCTOR\_ID | NUMBER | 8,0 |

**CREATE TABLE** SECTION\_INFO (  
 SECTION\_ID NUMBER(8,0),  
 COURSE\_NO NUMBER(8,0),  
 SECTION\_NO NUMBER(5),  
 INSTRUCTOR\_ID NUMBER(8,0)  
);

1. ENROLLMENT\_INFO

| Field Name | Type | Length |
| --- | --- | --- |
| STUDENT\_ID | NUMBER | 8,0 |
| SECTION\_ID | NUMBER | 8,0 |

**CREATE TABLE** ENROLLMENT\_INFO (  
 STUDENT\_ID NUMBER(8,0),  
 SECTION\_ID NUMBER(8,0)  
);

1. GRADE\_INFO

| Field Name | Type | Length |
| --- | --- | --- |
| STUDENT\_ID | NUMBER | 8,0 |
| SECTION\_ID | NUMBER | 8,0 |
| GRADE\_TYPE\_CODE | CHAR | 2 |
| GRADE\_CODE\_OCCURANCE | NUMBER | 5 |

**CREATE TABLE** GRADE\_INFO (  
 STUDENT\_ID NUMBER(8,0),  
 SECTION\_ID NUMBER(8,0),  
 GRADE\_TYPE\_CODE **CHAR**(2),  
 GRADE\_CODE\_OCCURANCE NUMBER(5)  
);

1. MOVIE

| Field Name | Type | Length |
| --- | --- | --- |
| MOVIE\_ID | VARCHAR2 | 255 CHAR |
| TITLE\_TYPE\_ID | SMALLINT |  |
| PRIMARYTITLE | VARCHAR2 | 255 CHAR |
| ORIGINALTITLE | NUMBER | 255 CHAR |
| ISADULT | NUMBER | 1 |
| STARTYEAR | INTEGER |  |
| ENDYEAR | INTEGER |  |
| RATING | NUMBER | (3,1) |
| VOTES | SMALLINT |  |
| IMBD\_ID | VARCHAR2 | 255 CHAR |
| OVERVIEW | NCLOB |  |
| POSTER\_PATH | VARCHAR2 | 255 CHAR |

**CREATE TABLE** MOVIE (  
 MOVIE\_ID VARCHAR2(255 char),  
 TITLE\_TYPE\_ID **SMALLINT**,  
 PRIMARYTITLE VARCHAR2(255 char),  
 ORIGINALTITLE VARCHAR2(255 char),  
 ISADULT NUMBER(1),  
 STARTYEAR **INTEGER**,  
 ENDYEAR **INTEGER**,  
 RATING NUMBER(3,1),  
 VOTES **SMALLINT**,  
 IMBD\_ID VARCHAR2(255 char),  
 OVERVIEW NCLOB,  
 POSTER\_PATH VARCHAR2(255 char)  
);

1. DIC\_TITLE\_TYPE

| Field Name | Type | Length |
| --- | --- | --- |
| TITLE\_TYPE\_ID | SMALLINT |  |
| TITLE\_TYPE | VARCHAR2 | 255 CHAR |

**CREATE TABLE** DIC\_TITLE\_TYPE (  
 TITLE\_TYPE\_ID **SMALLINT**,  
 TITLE\_TYPE VARCHAR2(255 char)  
);

1. DIC\_GENRE

| Field Name | Type | Length |
| --- | --- | --- |
| GENRE\_ID | SMALLINT |  |
| GENRE | VARCHAR2 | 255 CHAR |

**create table** DIC\_GENRE (  
 GENRE\_ID **SMALLINT**,  
 GENRE VARCHAR2(255 char)  
);

1. MOVIE\_X\_GENRE

| Field Name | Type | Length |
| --- | --- | --- |
| GENRE\_ID | SMALLINT |  |
| MOVIE\_ID | VARCHAR2 | 255 CHAR |

**CREATE TABLE** MOVIE\_X\_GENRE (  
 GENRE\_ID **SMALLINT**,  
 MOVIE\_ID VARCHAR2(255 char)  
);

## Изменить таблицы

1) ZIPCODE\_INFO

| Field Name | Type | Length |
| --- | --- | --- |
| ZIP\_CODE | VARCHAR2 | 5 |
| CITY | VARCHAR2 | 25 |
| STATE | VARCHAR2 | 2 |

**ALTER TABLE** ZIPCODE\_INFO **ADD STATE** VARCHAR2(2);  
**ALTER TABLE** ZIPCODE\_INFO **ALTER COLUMN** CITY VARCHAR2(25);

2) INSTRUCTOR\_INFO

| Field Name | Type | Length |
| --- | --- | --- |
| INSTRUCTOR\_ID | NUMBER | 8,0 |
| INSTRUCTOR**\_**FIRST\_NAME | VARCHAR2 | 25 |
| INSTRUCTOR**\_**LAST\_NAME | VARCHAR2 | 25 |
| STREET\_ADDRESS | VARCHAR2 | 50 |
| ZIP\_CODE | VARCHAR2 | 5 |

**ALTER TABLE** INSTRUCTOR\_INFO **ADD** STREET\_ADDRESS VARCHAR2(50);  
**ALTER TABLE** INSTRUCTOR\_INFO **ADD** ZIP\_CODE VARCHAR2(5);  
**ALTER TABLE** INSTRUCTOR\_INFO **ALTER COLUMN** INSTRUCTOR\_FIRST\_NAME VARCHAR2(25);  
**ALTER TABLE** INSTRUCTOR\_INFO **ALTER COLUMN** INSTRUCTOR\_FIRST\_NAME VARCHAR2(25);

3) COURSE\_INFO

| Field Name | Type | Length |
| --- | --- | --- |
| COURSE\_NO | NUMBER | 8,0 |
| COURSE\_NAME | VARCHAR2 | 50 |
| COURSE\_PREREQUISITE | NUMBER | 8,0 |
| COST | NUMBER | 9,2 |

**ALTER TABLE** COURSE\_INFO **ADD** COURSE\_NAME VARCHAR2(50);  
**ALTER TABLE** COURSE\_INFO **ADD** COURSE\_PREREQUISITE NUMBER(8,0);  
**ALTER TABLE** COURSE\_INFO **ALTER COLUMN** COST NUMBER(9,2);

4) STUDENT\_INFO

| Field Name | Type | Length |
| --- | --- | --- |
| STUDENT\_ID | NUMBER | 8,0 |
| STUDENT**\_**FIRST\_NAME | VARCHAR2 | 25 |
| STUDENT**\_**LAST\_NAME | VARCHAR2 | 25 |
| STREET\_ADDRESS | VARCHAR2 | 50 |
| ZIP\_CODE | VARCHAR2 | 5 |

**ALTER TABLE** STUDENT\_INFO **ALTER COLUMN** STUDENT\_FIRST\_NAME VARCHAR2(25);  
**ALTER TABLE** STUDENT\_INFO **ALTER COLUMN** STUDENT\_LAST\_NAME VARCHAR2(25);  
**ALTER TABLE** STUDENT\_INFO **ADD** STREET\_ADDRESS VARCHAR2(50);  
**ALTER TABLE** STUDENT\_INFO **ADD** ZIP\_CODE VARCHAR2(5);

5) Table Name: SECTION\_INFO

| Field Name | Type | Length |
| --- | --- | --- |
| SECTION\_ID | NUMBER | 8,0 |
| COURSE\_NO | NUMBER | 8,0 |
| SECTION\_NO | NUMBER | 3,0 |
| INSTRUCTOR\_ID | NUMBER | 8,0 |
| LOCATION | VARCHAR2 | 50 |
| CAPACITY | NUMBER | 3,0 |

**ALTER TABLE** SECTION\_INFO **ALTER COLUMN** SECTION\_NO NUMBER(3,0);  
**ALTER TABLE** SECTION\_INFO **ADD LOCATION** VARCHAR2(50);  
**ALTER TABLE** SECTION\_INFO **ADD** CAPACITY NUMBER(3,0);

6) ENROLLMENT\_INFO

Syntactical

| Field Name | Type | Length |
| --- | --- | --- |
| STUDENT\_ID | NUMBER | 8,0 |
| SECTION\_ID | NUMBER | 8,0 |
| ENROLLMENT\_DATE | DATE |  |

**ALTER TABLE** ENROLLMENT\_INFO **ADD** ENROLLMENT\_DATE **DATE**;

7) GRADE\_INFO

| Field Name | Type | Length |
| --- | --- | --- |
| STUDENT\_ID | NUMBER | 8,0 |
| SECTION\_ID | NUMBER | 8,0 |
| GRADE\_TYPE\_CODE | CHAR | 2 |
| GRADE\_CODE\_OCCURANCE | NUMBER | 38,0 |
| NUMERIC\_GRADE | NUMBER | 3,0 |

**ALTER TABLE** GRADE\_INFO **ALTER COLUMN** GRADE\_CODE\_OCCURANCE NUMBER(38,0);  
**ALTER TABLE** GRADE\_INFO **ADD** NUMERIC\_GRADE NUMBER(3,0);