# select \* from student;

# Database university

## Table structure for table student

|  |  |  |  |
| --- | --- | --- | --- |
| **Column** | **Type** | **Null** | **Default** |
| ***student\_id*** | int | No |  |
| student\_name | varchar(25) | Yes | NULL |
| department\_name | varchar(25) | Yes | NULL |
| total\_credits | int | Yes | NULL |

## Dumping data for table student

|  |  |  |  |
| --- | --- | --- | --- |
| 2001 | jason | comp | 8 |
| 2002 | johnson | civil | 7 |
| 2003 | judit | electronics | 4 |
| 2004 | Elis | comp | 4 |

# select \* from instructor;

# Database university

## Table structure for table instructor

|  |  |  |  |
| --- | --- | --- | --- |
| **Column** | **Type** | **Null** | **Default** |
| ***instructor\_id*** | int | No |  |
| instructor\_name | varchar(25) | Yes | NULL |
| department\_name | varchar(25) | Yes | NULL |
| salary | int | Yes | NULL |

## Dumping data for table instructor

|  |  |  |  |
| --- | --- | --- | --- |
| 5001 | john | comp | 100000 |
| 5002 | bob | comp | 50000 |
| 5003 | dwayne | civil | 150000 |
| 5004 | amit | electronics | 75000 |

# select student\_name, department\_name from student;

# Database university

## Table structure for table student

|  |  |  |  |
| --- | --- | --- | --- |
| **Column** | **Type** | **Null** | **Default** |
| ***student\_id*** | int | No |  |
| student\_name | varchar(25) | Yes | NULL |
| department\_name | varchar(25) | Yes | NULL |
| total\_credits | int | Yes | NULL |

## Dumping data for table student

|  |  |
| --- | --- |
| jason | comp |
| johnson | civil |
| judit | electronics |
| Elis | comp |

# select course\_id from takes;

# Database university

## Table structure for table takes

|  |  |  |  |
| --- | --- | --- | --- |
| **Column** | **Type** | **Null** | **Default** |
| ***student\_id*** | int | No |  |
| ***course\_id*** | int | No |  |

## Dumping data for table takes

|  |
| --- |
| 101 |
| 102 |
| 201 |
| 202 |
| 301 |
| 101 |
| 102 |

# select course.title from course, takes where course.course\_id = takes.course\_id;

# Database university

## Table structure for table course

|  |  |  |  |
| --- | --- | --- | --- |
| **Column** | **Type** | **Null** | **Default** |
| ***course\_id*** | int | No |  |
| title | varchar(25) | Yes | NULL |
| department\_name | varchar(25) | Yes | NULL |
| credits | int | Yes | NULL |

## Dumping data for table course

|  |
| --- |
| dbms |
| os |
| mechanics |
| foundation Engineering |
| signals and system |
| dbms |
| os |

# select course.title from course, teaches where course.course\_id = teaches.course\_id;

**Database university**

**Table structure for table course**

|  |  |  |  |
| --- | --- | --- | --- |
| **Column** | **Type** | **Null** | **Default** |
| ***course\_id*** | int | No |  |
| title | varchar(25) | Yes | NULL |
| department\_name | varchar(25) | Yes | NULL |
| credits | int | Yes | NULL |

**Dumping data for table course**

|  |
| --- |
| dbms |
| os |
| dbms |
| os |
| mechanics |
| foundation Engineering |
| signals and system |

# SELECT student\_name FROM student WHERE LENGTH(student\_name) = 6;

# Database university

## Table structure for table student

|  |  |  |  |
| --- | --- | --- | --- |
| **Column** | **Type** | **Null** | **Default** |
| ***student\_id*** | int | No |  |
| student\_name | varchar(25) | Yes | NULL |
| department\_name | varchar(25) | Yes | NULL |
| total\_credits | int | Yes | NULL |

## Dumping data for table student

|  |
| --- |
| Martin |

# select instructor\_name from instructor where instructor\_name like "%a";

# Database university

## Table structure for table instructor

|  |  |  |  |
| --- | --- | --- | --- |
| **Column** | **Type** | **Null** | **Default** |
| ***instructor\_id*** | int | No |  |
| instructor\_name | varchar(25) | Yes | NULL |
| department\_name | varchar(25) | Yes | NULL |
| salary | int | Yes | NULL |

## Dumping data for table instructor

|  |
| --- |
| amita |

# select title from course where title between 'c' [and](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html%23operator_and) 't';

# Database university

## Table structure for table course

|  |  |  |  |
| --- | --- | --- | --- |
| **Column** | **Type** | **Null** | **Default** |
| ***course\_id*** | int | No |  |
| title | varchar(25) | Yes | NULL |
| department\_name | varchar(25) | Yes | NULL |
| credits | int | Yes | NULL |

## Dumping data for table course

|  |
| --- |
| dbms |
| os |
| mechanics |
| foundation Engineering |
| signals and system |

# select title from course order by title;

# Database university

## Table structure for table course

|  |  |  |  |
| --- | --- | --- | --- |
| **Column** | **Type** | **Null** | **Default** |
| ***course\_id*** | int | No |  |
| title | varchar(25) | Yes | NULL |
| department\_name | varchar(25) | Yes | NULL |
| credits | int | Yes | NULL |

## Dumping data for table course

|  |
| --- |
| dbms |
| foundation Engineering |
| mechanics |
| os |
| signals and system |

1. **SELECT course\_id from takes where student\_id=2001;**

# Database university

## Table structure for table takes

|  |  |  |  |
| --- | --- | --- | --- |
| **Column** | **Type** | **Null** | **Default** |
| ***student\_id*** | int | No |  |
| ***course\_id*** | int | No |  |

## Dumping data for table takes

|  |
| --- |
| 101 |
| 102 |