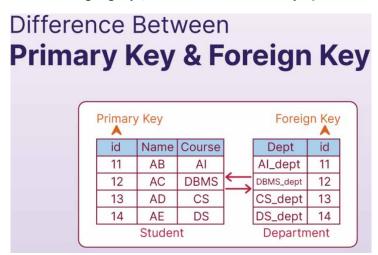
Data Engineering Day 05

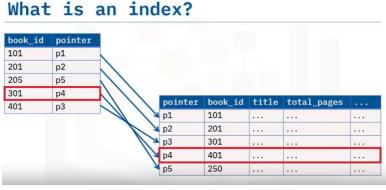
The credit for this course goes to Coursera. Click More

Another link: Azure data Engineer

Designing keys, Index and Constraints in MySQL



- Primary Key: A primary key is a column or a set of columns that uniquely identifies each row in a table. It must be unique for each record and cannot have NULL values. It ensures the integrity of the table's data and helps in establishing relationships with other tables.
- Foreign Key: A foreign key is a column or a set of columns in a table that establishes a link between data in two tables. It refers to the primary key of another table and helps maintain referential integrity. This means that the value in the foreign key column must exist in the referenced table's primary key column or be NULL.



Indexing is a unique way of identifying row that we are interested in.

Normalization

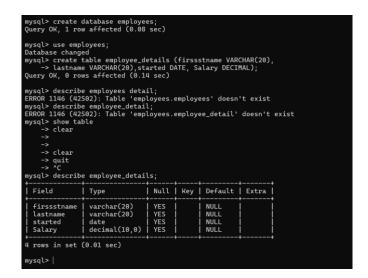
Reduces the duplications of Data.

Getting Started with MySQL

the skills mentioned below are necessary to practice while learning MySQL.



```
mysql> create database employees;
      mysql> use employees;
      Database changed
      mysql> create table employee_details (firssstname VARCHAR(20),
        -> lastname VARCHAR(20), started DATE, Salary DECIMAL);
      Query OK, 0 rows affected (0.14 sec)
      mysql> describe employee_details;
      +----+
      | Field | Type | Null | Key | Default | Extra |
       +----+
      | firssstname | varchar(20) | YES | | NULL | |
      |lastname |varchar(20) |YES | |NULL | |
      |started | date
                     |YES||NULL||
      |Salary |decimal(10,0)|YES | |NULL | |
      +-----+
      4 rows in set (0.01 sec)
mysql>
```



commands for backup database:

