



# database design document

## table structure

(attention: the data type is timestamp format: in seconds)

- question
  - question\_id (primary key)
  - account\_id
  - accept\_answer\_id
  - view\_count
  - answer\_count
  - score
  - creation\_date
  - title
  - body
- answer
  - answer\_id (primary key)
  - question\_id (foreign key)
  - account\_id
  - score
  - creation\_date
  - body
- tag
  - tag\_id (primary key,auto increment)
  - tag\_name
- question\_tag
  - question\_id (foreign key)
  - tag\_id (foreign key)
- account
  - account\_id (primary key)
  - reputation
  - accept\_rate (integer)

# sql statement

```
CREATE TABLE question (
    question_id INT PRIMARY KEY,
    account_id INT,
    accept_answer_id INT,
    view_count INT,
    answer_count INT,
    score INT,
    creation_date INT,
    title TEXT,
    body TEXT
);

CREATE TABLE answer (
    answer_id INT PRIMARY KEY,
    question_id INT,
    account_id INT,
    score INT,
    creation_date INT,
    body TEXT
);

CREATE TABLE tag (
    tag_id INT PRIMARY KEY AUTO_INCREMENT,
    tag_name VARCHAR(100)
);

CREATE TABLE question_tag (
    question_id INT,
    tag_id INT,
);

CREATE TABLE account (
    account_id INT PRIMARY KEY,
    reputation INT,
    accept_rate INT
);
```