

-- create table

```
CREATE TABLE `user` (  
  `user_id` bigint NOT NULL AUTO_INCREMENT,  
  `login_id` varchar(20) NOT NULL,  
  `password` varchar(60) NOT NULL,  
  `name` varchar(20) NOT NULL,  
  `email` varchar(50) NOT NULL,  
  `nickname` varchar(20) NOT NULL,  
  `admission_year` varchar(8) NOT NULL,  
  `authority` varchar(20) NOT NULL DEFAULT 'ROLE_BASIC',  
  `is_deleted` varchar(1) NOT NULL DEFAULT 'N',  
  `registration_date` datetime(6) NOT NULL,  
  `modification_date` datetime(6) NULL,  
  `school_id` bigint NULL,  
  `token_id` bigint NULL,  
  CONSTRAINT `PK_USER` PRIMARY KEY (`user_id`),  
  CONSTRAINT `uniq_user_login_id` UNIQUE(`login_id`),  
  CONSTRAINT `uniq_email` UNIQUE(`email`),  
  CONSTRAINT `uniq_nickname` UNIQUE(`nickname`),  
  CONSTRAINT `uniq_token_id` UNIQUE(`token_id`)  
);
```

```
CREATE TABLE `token` (  
  `token_id` bigint NOT NULL AUTO_INCREMENT,  
  `access_token` varchar(1000) NULL,  
  `registration_date` datetime(6) NOT NULL,  
  `modification_date` datetime(6) NULL,  
  CONSTRAINT `PK_TOKEN` PRIMARY KEY (`token_id`)  
);
```

```
CREATE TABLE `school` (  
  `school_id` bigint NOT NULL AUTO_INCREMENT,  
  `school_name` varchar(30) NOT NULL,  
  `registrant` varchar(20) NOT NULL,  
  `modifier` varchar(20) NULL,  
  `registration_date` datetime(6) NOT NULL,  
  `modification_date` datetime(6) NULL,  
  CONSTRAINT `PK_SCHOOL` PRIMARY KEY (`school_id`),  
  CONSTRAINT `uniq_school_name` UNIQUE (`school_name`)  
);
```

```

CREATE TABLE `post` (
  `post_id` bigint NOT NULL AUTO_INCREMENT,
  `board_type` varchar(20) NOT NULL,
  `title` varchar(100) NOT NULL,
  `contents` varchar(15000) NOT NULL,
  `is_anonymous` varchar(1) NOT NULL,
  `is_deleted` varchar(1) NOT NULL DEFAULT 'N',
  `views` bigint NOT NULL DEFAULT 0,
  `registration_date` datetime(6) NOT NULL,
  `modification_date` datetime(6) NULL,
  `user_id` bigint NULL,
  `school_id` bigint NOT NULL,
  CONSTRAINT `PK_POST` PRIMARY KEY (`post_id`)
);

```

```

CREATE TABLE `comment` (
  `comment_id` bigint NOT NULL AUTO_INCREMENT,
  `contents` varchar(15000) NOT NULL,
  `comment_type` varchar(10) NOT NULL,
  `pre_id` bigint NULL,
  `is_anonymous` varchar(1) NOT NULL,
  `is_deleted` varchar(1) NOT NULL DEFAULT 'N',
  `registration_date` datetime(6) NOT NULL,
  `modification_date` datetime(6) NULL,
  `user_id` bigint NULL,
  `post_id` bigint NOT NULL,
  CONSTRAINT `PK_COMMENT` PRIMARY KEY (`comment_id`)
);

```

```

CREATE TABLE `file` (
  `file_id` bigint NOT NULL AUTO_INCREMENT,
  `upload_filename` varchar(300) NOT NULL,
  `store_filename` varchar(300) NOT NULL,
  `size` varchar(30) NOT NULL,
  `sequence` bigint NOT NULL,
  `is_deleted` varchar(1) NOT NULL DEFAULT 'N',
  `registration_date` datetime(6) NOT NULL,
  `modification_date` datetime(6) NULL,
  `post_id` bigint NULL,
  `notice_id` bigint NULL,
  CONSTRAINT `PK_FILE` PRIMARY KEY (`file_id`)
);

```

```

CREATE TABLE `likes` (
  `like_id` bigint NOT NULL AUTO_INCREMENT,
  `target_type` varchar(10) NOT NULL,
  `target_id` bigint NOT NULL,
  `registration_date` datetime(6) NOT NULL,
  `modification_date` datetime(6) NULL,
  `user_id` bigint NOT NULL,
  CONSTRAINT `PK_LIKES` PRIMARY KEY (`like_id`)
);

```

```

CREATE TABLE `manager` (
  `manager_id` bigint NOT NULL AUTO_INCREMENT,
  `login_id` varchar(20) NOT NULL,
  `password` varchar(60) NOT NULL,
  `name` varchar(20) NOT NULL,
  `authority` varchar(20) NOT NULL DEFAULT 'ROLE_MANAGER',
  `registrant` varchar(20) NOT NULL,
  `modifier` varchar(20) NULL,
  `registration_date` datetime(6) NOT NULL,
  `modification_date` datetime(6) NULL,
  `token_id` bigint NULL,
  CONSTRAINT `PK_MANAGER` PRIMARY KEY (`manager_id`),
  CONSTRAINT `unq_mng_login_id` UNIQUE (`login_id`),
  CONSTRAINT `unq_mng_token_id` UNIQUE (`token_id`)
);

```

```

CREATE TABLE `notice` (
  `notice_id` bigint NOT NULL AUTO_INCREMENT,
  `title` varchar(100) NOT NULL,
  `contents` varchar(15000) NOT NULL,
  `views` bigint NOT NULL DEFAULT 0,
  `is_deleted` varchar(1) NOT NULL DEFAULT 'N',
  `registration_date` datetime(6) NOT NULL,
  `modification_date` datetime(6) NULL,
  `manager_id` bigint NULL,
  CONSTRAINT `PK_NOTICE` PRIMARY KEY (`notice_id`)
);

```

-- FK setting

```

ALTER TABLE `user` ADD CONSTRAINT `FK_USER_SHCHOOL`
FOREIGN KEY (`school_id`) REFERENCES `school` (`school_id`)
ON UPDATE CASCADE ON DELETE SET NULL;

```

```

ALTER TABLE `user` ADD CONSTRAINT `FK_USER_TOKEN`
FOREIGN KEY (`token_id`) REFERENCES `token` (`token_id`)
ON UPDATE CASCADE ON DELETE SET NULL;

```

```
ALTER TABLE `likes` ADD CONSTRAINT `FK_LIKES_USER`  
FOREIGN KEY (`user_id`) REFERENCES `user` (`user_id`)  
ON UPDATE CASCADE ON DELETE CASCADE;
```

```
ALTER TABLE `post` ADD CONSTRAINT `FK_POST_USER`  
FOREIGN KEY (`user_id`) REFERENCES `user` (`user_id`)  
ON UPDATE CASCADE ON DELETE SET NULL;
```

```
ALTER TABLE `post` ADD CONSTRAINT `FK_POST_SCHOOL`  
FOREIGN KEY (`school_id`) REFERENCES `school` (`school_id`)  
ON UPDATE CASCADE ON DELETE CASCADE;
```

```
ALTER TABLE `comment` ADD CONSTRAINT `FK_COMMENT_USER`  
FOREIGN KEY (`user_id`) REFERENCES `user` (`user_id`)  
ON UPDATE CASCADE ON DELETE SET NULL;
```

```
ALTER TABLE `comment` ADD CONSTRAINT `FK_COMMENT_POST`  
FOREIGN KEY (`post_id`) REFERENCES `post` (`post_id`)  
ON UPDATE CASCADE ON DELETE CASCADE;
```

```
ALTER TABLE `manager` ADD CONSTRAINT `FK_MANAGER_TOKEN`  
FOREIGN KEY (`token_id`) REFERENCES `token` (`token_id`)  
ON UPDATE CASCADE ON DELETE SET NULL;
```

```
ALTER TABLE `notice` ADD CONSTRAINT `FK_NOTICE_MANAGER`  
FOREIGN KEY (`manager_id`) REFERENCES `manager` (`manager_id`)  
ON UPDATE CASCADE ON DELETE SET NULL;
```

```
ALTER TABLE `file` ADD CONSTRAINT `FK_FILE_POST`  
FOREIGN KEY (`post_id`) REFERENCES `post` (`post_id`)  
ON UPDATE CASCADE ON DELETE CASCADE;
```

```
ALTER TABLE `file` ADD CONSTRAINT `FK_FILE_NOTICE`  
FOREIGN KEY (`notice_id`) REFERENCES `notice` (`notice_id`)  
ON UPDATE CASCADE ON DELETE CASCADE;
```