MySQL -Day 2

Code : Forward Engineer

-- MySQL Workbench Forward Engineering

SET @OLD\_UNIQUE\_CHECKS=@@UNIQUE\_CHECKS, UNIQUE\_CHECKS=0;

SET @OLD\_FOREIGN\_KEY\_CHECKS=@@FOREIGN\_KEY\_CHECKS, FOREIGN\_KEY\_CHECKS=0;

SET @OLD\_SQL\_MODE=@@SQL\_MODE, SQL\_MODE='ONLY\_FULL\_GROUP\_BY,STRICT\_TRANS\_TABLES,NO\_ZERO\_IN\_DATE,NO\_ZERO\_DATE,ERROR\_FOR\_DIVISION\_BY\_ZERO,NO\_ENGINE\_SUBSTITUTION';

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-- Schema mydb

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CREATE SCHEMA IF NOT EXISTS `mydb` DEFAULT CHARACTER SET utf8 ;

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-- Schema zenclass

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USE `mydb` ;

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-- Table `mydb`.`users`

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CREATE TABLE IF NOT EXISTS `mydb`.`users` (

`user\_id` INT NOT NULL AUTO\_INCREMENT,

`username` VARCHAR(255) NOT NULL,

`email` VARCHAR(255) NOT NULL,

`createdAt` DATETIME NOT NULL DEFAULT now(),

PRIMARY KEY (`user\_id`),

UNIQUE INDEX `user\_id\_UNIQUE` (`user\_id` ASC) )

ENGINE = InnoDB;

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-- Table `mydb`.`students`

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CREATE TABLE IF NOT EXISTS `mydb`.`students` (

`student\_id` INT NOT NULL AUTO\_INCREMENT,

`user\_id` INT NOT NULL,

`student\_name` VARCHAR(255) NOT NULL,

`address` VARCHAR(255) NOT NULL,

`phone\_number` VARCHAR(10) NOT NULL,

`education` TEXT NOT NULL,

`experience` TEXT NOT NULL,

PRIMARY KEY (`student\_id`),

UNIQUE INDEX `student\_id\_UNIQUE` (`student\_id` ASC) VISIBLE,

INDEX `user\_id\_idx` (`user\_id` ASC) VISIBLE,

CONSTRAINT `user\_id`

FOREIGN KEY (`user\_id`)

REFERENCES `mydb`.`users` (`user\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

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-- Table `mydb`.`mentors`

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CREATE TABLE IF NOT EXISTS `mydb`.`mentors` (

`mentor\_id` INT NOT NULL AUTO\_INCREMENT,

`user\_id` INT NOT NULL,

`mentor\_name` VARCHAR(255) NOT NULL,

`address` VARCHAR(255) NOT NULL,

`phone\_number` VARCHAR(10) NOT NULL,

`education` TEXT NOT NULL,

`experience` TEXT NOT NULL,

PRIMARY KEY (`mentor\_id`),

UNIQUE INDEX `mentor\_id\_UNIQUE` (`mentor\_id` ASC) ,

INDEX `user\_id\_idx` (`user\_id` ASC) ,

CONSTRAINT `user\_id`

FOREIGN KEY (`user\_id`)

REFERENCES `mydb`.`users` (`user\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `mydb`.`topics`

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CREATE TABLE IF NOT EXISTS `mydb`.`topics` (

`topic\_id` INT NOT NULL AUTO\_INCREMENT,

`topic\_name` VARCHAR(255) NOT NULL,

`description` TEXT NOT NULL,

`sessions` INT NOT NULL,

`mentor\_id` INT NOT NULL,

PRIMARY KEY (`topic\_id`),

UNIQUE INDEX `topic\_id\_UNIQUE` (`topic\_id` ASC) ,

INDEX `mentor\_id\_idx` (`mentor\_id` ASC) ,

CONSTRAINT `mentor\_id`

FOREIGN KEY (`mentor\_id`)

REFERENCES `mydb`.`mentors` (`mentor\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `mydb`.`tasks`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `mydb`.`tasks` (

`task\_id` INT NOT NULL,

`topic\_id` INT NOT NULL,

`task\_name` VARCHAR(255) NOT NULL,

`description` TEXT NOT NULL,

`deadline` DATE NOT NULL,

PRIMARY KEY (`task\_id`),

UNIQUE INDEX `task\_id\_UNIQUE` (`task\_id` ASC) ,

INDEX `topic\_id\_idx` (`topic\_id` ASC) ,

CONSTRAINT `topic\_id`

FOREIGN KEY (`topic\_id`)

REFERENCES `mydb`.`topics` (`topic\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `mydb`.`attendance`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `mydb`.`attendance` (

`attendance\_id` INT NOT NULL,

`user\_id` INT NOT NULL,

`topic\_id` INT NOT NULL,

`session\_date` DATE NOT NULL,

`status` TINYINT NOT NULL DEFAULT 0,

PRIMARY KEY (`attendance\_id`),

UNIQUE INDEX `attendance\_id\_UNIQUE` (`attendance\_id` ASC) ,

INDEX `topic\_id\_idx` (`topic\_id` ASC) ,

INDEX `user\_id\_idx` (`user\_id` ASC) ,

CONSTRAINT `topic\_id`

FOREIGN KEY (`topic\_id`)

REFERENCES `mydb`.`topics` (`topic\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `user\_id`

FOREIGN KEY (`user\_id`)

REFERENCES `mydb`.`users` (`user\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

SET SQL\_MODE=@OLD\_SQL\_MODE;

SET FOREIGN\_KEY\_CHECKS=@OLD\_FOREIGN\_KEY\_CHECKS;

SET UNIQUE\_CHECKS=@OLD\_UNIQUE\_CHECKS;