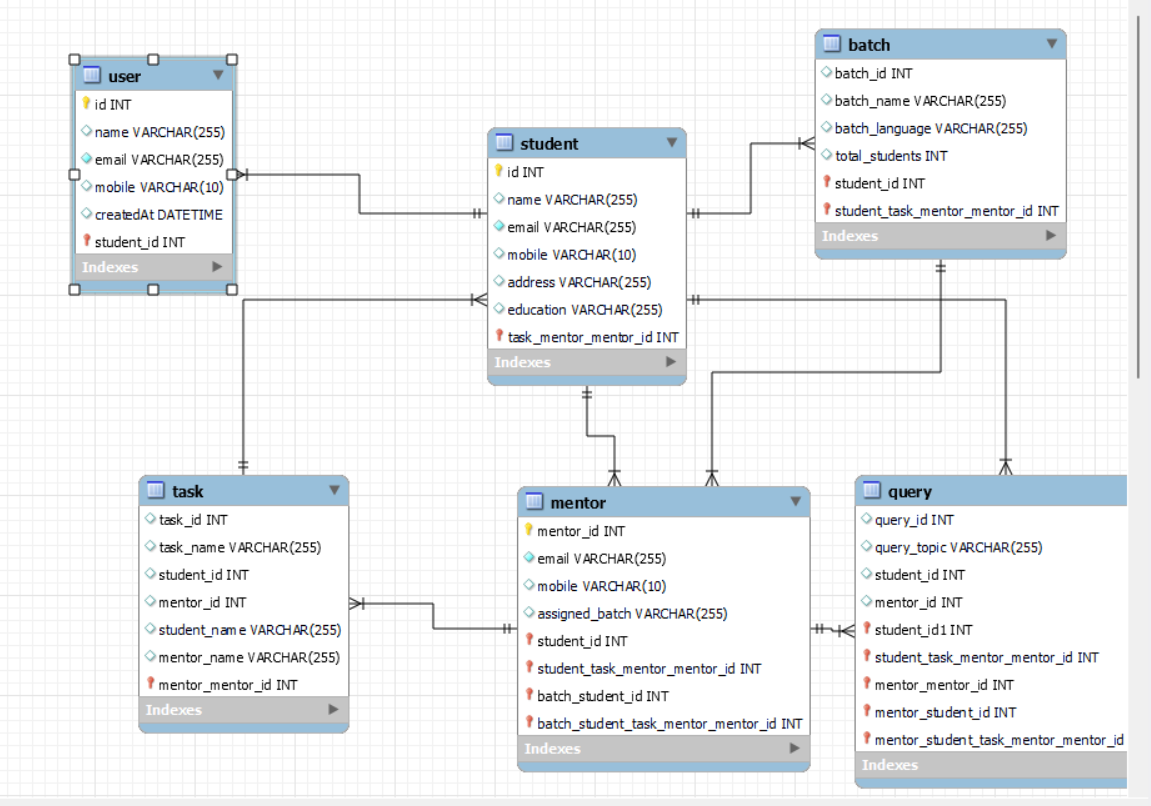
**MY SQL TASK 2**

**Design DB model for Guvi Zen class:**

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**-- 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 ;

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

-- Schema zen

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

-- Schema zen

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

CREATE SCHEMA IF NOT EXISTS `zen` DEFAULT CHARACTER SET utf8mb4 COLLATE utf8mb4\_0900\_ai\_ci ;

USE `mydb` ;

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

-- Table `mydb`.`query`

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

`query\_id` INT NOT NULL,

`query\_text` VARCHAR(255) NULL,

`student\_id` INT NOT NULL,

`mentor\_id` INT NOT NULL,

PRIMARY KEY (`query\_id`, `student\_id`, `mentor\_id`),

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

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

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

ENGINE = InnoDB;

USE `zen` ;

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

-- Table `zen`.`mentor`

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

CREATE TABLE IF NOT EXISTS `zen`.`mentor` (

`mentor\_id` INT NOT NULL,

`email` VARCHAR(255) NOT NULL,

`mobile` VARCHAR(10) NULL DEFAULT NULL,

`assigned\_batch` VARCHAR(255) NULL DEFAULT NULL,

`student\_id` INT NOT NULL,

`student\_task\_mentor\_mentor\_id` INT NOT NULL,

`batch\_student\_id` INT NOT NULL,

`batch\_student\_task\_mentor\_mentor\_id` INT NOT NULL,

UNIQUE INDEX `email` (`email` ASC) VISIBLE,

PRIMARY KEY (`mentor\_id`, `student\_id`, `student\_task\_mentor\_mentor\_id`, `batch\_student\_id`, `batch\_student\_task\_mentor\_mentor\_id`),

INDEX `fk\_mentor\_student1\_idx` (`student\_id` ASC, `student\_task\_mentor\_mentor\_id` ASC) VISIBLE,

INDEX `fk\_mentor\_batch1\_idx` (`batch\_student\_id` ASC, `batch\_student\_task\_mentor\_mentor\_id` ASC) VISIBLE,

CONSTRAINT `fk\_mentor\_student1`

FOREIGN KEY (`student\_id` , `student\_task\_mentor\_mentor\_id`)

REFERENCES `zen`.`student` (`id` , `task\_mentor\_mentor\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_mentor\_batch1`

FOREIGN KEY (`batch\_student\_id` , `batch\_student\_task\_mentor\_mentor\_id`)

REFERENCES `zen`.`batch` (`student\_id` , `student\_task\_mentor\_mentor\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8mb4

COLLATE = utf8mb4\_0900\_ai\_ci;

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

-- Table `zen`.`task`

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

CREATE TABLE IF NOT EXISTS `zen`.`task` (

`task\_id` INT NULL DEFAULT NULL,

`task\_name` VARCHAR(255) NULL DEFAULT NULL,

`student\_id` INT NULL DEFAULT NULL,

`mentor\_id` INT NULL DEFAULT NULL,

`student\_name` VARCHAR(255) NULL DEFAULT NULL,

`mentor\_name` VARCHAR(255) NULL DEFAULT NULL,

`mentor\_mentor\_id` INT NOT NULL,

PRIMARY KEY (`mentor\_mentor\_id`),

CONSTRAINT `fk\_task\_mentor1`

FOREIGN KEY (`mentor\_mentor\_id`)

REFERENCES `zen`.`mentor` (`mentor\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8mb4

COLLATE = utf8mb4\_0900\_ai\_ci;

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

-- Table `zen`.`student`

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

CREATE TABLE IF NOT EXISTS `zen`.`student` (

`id` INT NOT NULL,

`name` VARCHAR(255) NULL DEFAULT NULL,

`email` VARCHAR(255) NOT NULL,

`mobile` VARCHAR(10) NULL DEFAULT NULL,

`address` VARCHAR(255) NULL DEFAULT NULL,

`education` VARCHAR(255) NULL DEFAULT NULL,

`task\_mentor\_mentor\_id` INT NOT NULL,

PRIMARY KEY (`id`, `task\_mentor\_mentor\_id`),

UNIQUE INDEX `email` (`email` ASC) VISIBLE,

INDEX `fk\_student\_task1\_idx` (`task\_mentor\_mentor\_id` ASC) VISIBLE,

CONSTRAINT `fk\_student\_task1`

FOREIGN KEY (`task\_mentor\_mentor\_id`)

REFERENCES `zen`.`task` (`mentor\_mentor\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8mb4

COLLATE = utf8mb4\_0900\_ai\_ci;

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

-- Table `zen`.`batch`

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

CREATE TABLE IF NOT EXISTS `zen`.`batch` (

`batch\_id` INT NULL DEFAULT NULL,

`batch\_name` VARCHAR(255) NULL DEFAULT NULL,

`batch\_language` VARCHAR(255) NULL DEFAULT NULL,

`total\_students` INT NULL DEFAULT NULL,

`student\_id` INT NOT NULL,

`student\_task\_mentor\_mentor\_id` INT NOT NULL,

PRIMARY KEY (`student\_id`, `student\_task\_mentor\_mentor\_id`),

CONSTRAINT `fk\_batch\_student1`

FOREIGN KEY (`student\_id` , `student\_task\_mentor\_mentor\_id`)

REFERENCES `zen`.`student` (`id` , `task\_mentor\_mentor\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8mb4

COLLATE = utf8mb4\_0900\_ai\_ci;

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

-- Table `zen`.`query`

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

CREATE TABLE IF NOT EXISTS `zen`.`query` (

`query\_id` INT NULL DEFAULT NULL,

`query\_topic` VARCHAR(255) NULL DEFAULT NULL,

`student\_id` INT NULL DEFAULT NULL,

`mentor\_id` INT NULL DEFAULT NULL,

`student\_id1` INT NOT NULL,

`student\_task\_mentor\_mentor\_id` INT NOT NULL,

`mentor\_mentor\_id` INT NOT NULL,

`mentor\_student\_id` INT NOT NULL,

`mentor\_student\_task\_mentor\_mentor\_id` INT NOT NULL,

PRIMARY KEY (`student\_id1`, `student\_task\_mentor\_mentor\_id`, `mentor\_mentor\_id`, `mentor\_student\_id`, `mentor\_student\_task\_mentor\_mentor\_id`),

INDEX `fk\_query\_mentor1\_idx` (`mentor\_mentor\_id` ASC, `mentor\_student\_id` ASC, `mentor\_student\_task\_mentor\_mentor\_id` ASC) VISIBLE,

CONSTRAINT `fk\_query\_student1`

FOREIGN KEY (`student\_id1` , `student\_task\_mentor\_mentor\_id`)

REFERENCES `zen`.`student` (`id` , `task\_mentor\_mentor\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_query\_mentor1`

FOREIGN KEY (`mentor\_mentor\_id` , `mentor\_student\_id` , `mentor\_student\_task\_mentor\_mentor\_id`)

REFERENCES `zen`.`mentor` (`mentor\_id` , `student\_id` , `student\_task\_mentor\_mentor\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8mb4

COLLATE = utf8mb4\_0900\_ai\_ci;

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

-- Table `zen`.`user`

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

CREATE TABLE IF NOT EXISTS `zen`.`user` (

`id` INT NOT NULL,

`name` VARCHAR(255) NULL DEFAULT NULL,

`email` VARCHAR(255) NOT NULL,

`mobile` VARCHAR(10) NULL DEFAULT NULL,

`createdAt` DATETIME NULL DEFAULT CURRENT\_TIMESTAMP,

`student\_id` INT NOT NULL,

PRIMARY KEY (`id`, `student\_id`),

UNIQUE INDEX `email` (`email` ASC) VISIBLE,

INDEX `fk\_user\_student\_idx` (`student\_id` ASC) VISIBLE,

CONSTRAINT `fk\_user\_student`

FOREIGN KEY (`student\_id`)

REFERENCES `zen`.`student` (`id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8mb4

COLLATE = utf8mb4\_0900\_ai\_ci;

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

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

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