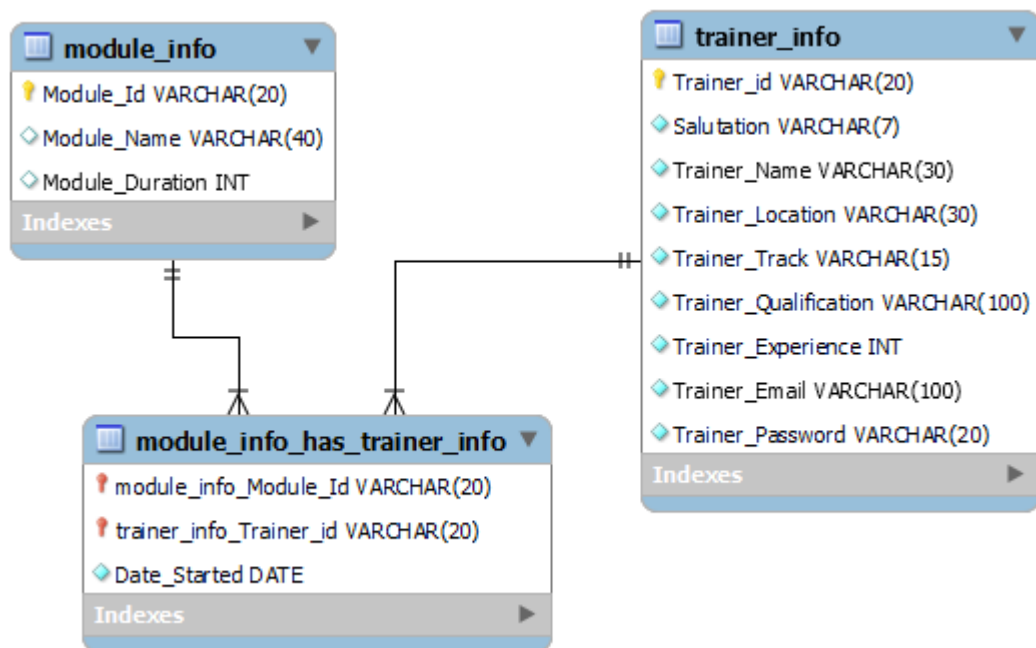


ASSIGNMENT-3

- 1.) Perform all the necessary steps to Implement 1NF
- 2.) Perform all the necessary steps to Implement 2NF
- 3.) Perform all the necessary steps to Implement 3NF



-- 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_
O_ZERO_DATE,ERROR_FOR_DIVISION_BY_ZERO,NO_ENGINE_SUBSTITUTION';
```

-- Schema mydb

-- Schema training_basic

-- Schema training_basic

```
CREATE SCHEMA IF NOT EXISTS `training_basic` DEFAULT CHARACTER SET utf8mb4
COLLATE utf8mb4_0900_ai_ci ;
USE `training_basic` ;
```

-- Table `training_basic`.`module_info`

```
CREATE TABLE IF NOT EXISTS `training_basic`.`module_info` (
  `Module_Id` VARCHAR(20) NOT NULL,
  `Module_Name` VARCHAR(40) NULL DEFAULT NULL,
  `Module_Duration` INT NULL DEFAULT NULL,
  PRIMARY KEY (`Module_Id`))
ENGINE = InnoDB
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4_0900_ai_ci;
```

-- Table `training_basic`.`trainer_info`

```
CREATE TABLE IF NOT EXISTS `training_basic`.`trainer_info` (
  `Trainer_id` VARCHAR(20) NOT NULL,
  `Salutation` VARCHAR(7) NOT NULL,
  `Trainer_Name` VARCHAR(30) NOT NULL,
  `Trainer_Location` VARCHAR(30) NOT NULL,
  `Trainer_Track` VARCHAR(15) NOT NULL,
  `Trainer_Qualification` VARCHAR(100) NOT NULL,
  `Trainer_Experience` INT NOT NULL,
  `Trainer_Email` VARCHAR(100) NOT NULL,
```

```

`Trainer_Password` VARCHAR(20) NOT NULL,
PRIMARY KEY (`Trainer_id`),
UNIQUE INDEX `UC_Email` (`Trainer_Email` ASC) VISIBLE)
ENGINE = InnoDB
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4_0900_ai_ci;

```

```

-----
-- Table `training_basic`.`module_info_has_trainer_info`
-----

```

```

CREATE TABLE IF NOT EXISTS `training_basic`.`module_info_has_trainer_info` (
  `module_info_Module_Id` VARCHAR(20) NOT NULL,
  `trainer_info_Trainer_id` VARCHAR(20) NOT NULL,
  `Date_Started` DATE NOT NULL,
  PRIMARY KEY (`module_info_Module_Id`, `trainer_info_Trainer_id`),
  INDEX `fk_module_info_has_trainer_info_trainer_info1_idx` (`trainer_info_Trainer_id` ASC)
  VISIBLE,
  INDEX `fk_module_info_has_trainer_info_module_info_idx` (`module_info_Module_Id`
  ASC) VISIBLE,
  CONSTRAINT `fk_module_info_has_trainer_info_module_info`
    FOREIGN KEY (`module_info_Module_Id`)
    REFERENCES `training_basic`.`module_info` (`Module_Id`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION,
  CONSTRAINT `fk_module_info_has_trainer_info_trainer_info1`
    FOREIGN KEY (`trainer_info_Trainer_id`)
    REFERENCES `training_basic`.`trainer_info` (`Trainer_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;

```