-- 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';

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

-- Schema mydb

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

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

-- Schema project\_test

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

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

-- Schema project\_test

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

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

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

-- Schema my\_db

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

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

-- Schema my\_db

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

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

USE `project\_test` ;

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

-- Table `project\_test`.`car\_category`

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

CREATE TABLE IF NOT EXISTS `project\_test`.`car\_category` (

`Category\_ID` INT NOT NULL AUTO\_INCREMENT,

`Label` VARCHAR(255) NULL DEFAULT NULL,

`Car\_Description` VARCHAR(255) NULL DEFAULT NULL,

PRIMARY KEY (`Category\_ID`))

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8mb4

COLLATE = utf8mb4\_0900\_ai\_ci;

USE `my\_db` ;

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

-- Table `my\_db`.`Car\_Category`

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

CREATE TABLE IF NOT EXISTS `my\_db`.`Car\_Category` (

`Category\_ID` INT(11) NOT NULL AUTO\_INCREMENT,

`Class` VARCHAR(50) NULL DEFAULT NULL,

`Seating\_Capacity` VARCHAR(50) NULL DEFAULT NULL,

PRIMARY KEY (`Category\_ID`))

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8mb4

COLLATE = utf8mb4\_0900\_ai\_ci;

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

-- Table `my\_db`.`Car`

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

CREATE TABLE IF NOT EXISTS `my\_db`.`Car` (

`VIN` INT(11) NOT NULL AUTO\_INCREMENT,

`Car\_Description` VARCHAR(50) NULL DEFAULT NULL,

`Brand` VARCHAR(50) NULL DEFAULT NULL,

`Model` VARCHAR(50) NULL DEFAULT NULL,

`Model\_Year` DATE NULL DEFAULT NULL,

`Color` VARCHAR(50) NULL DEFAULT NULL,

`Car\_Insurance` VARCHAR(50) NULL,

`Category\_ID` INT(11) NOT NULL,

PRIMARY KEY (`VIN`),

INDEX `Category\_ID` (`Category\_ID` ASC) VISIBLE,

CONSTRAINT `cars\_ibfk\_1`

FOREIGN KEY (`Category\_ID`)

REFERENCES `my\_db`.`Car\_Category` (`Category\_ID`))

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8mb4

COLLATE = utf8mb4\_0900\_ai\_ci;

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

-- Table `my\_db`.`Customer`

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

CREATE TABLE IF NOT EXISTS `my\_db`.`Customer` (

`Customer\_ID` INT(11) NOT NULL AUTO\_INCREMENT,

`SSN` INT(11) NOT NULL,

`First\_Name` VARCHAR(50) NULL DEFAULT NULL,

`Last\_Name` VARCHAR(50) NULL DEFAULT NULL,

`Email` VARCHAR(255) NULL DEFAULT NULL,

`Phone\_Number` VARCHAR(50) NULL DEFAULT NULL,

`Driving\_License\_Type` VARCHAR(50) NULL DEFAULT NULL,

`Life\_Insurance` VARCHAR(50) NULL DEFAULT NULL,

PRIMARY KEY (`Customer\_ID`))

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8mb4

COLLATE = utf8mb4\_0900\_ai\_ci;

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

-- Table `my\_db`.`Branch`

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

CREATE TABLE IF NOT EXISTS `my\_db`.`Branch` (

`Branch\_ID` INT(11) NOT NULL AUTO\_INCREMENT,

`Street\_Number` VARCHAR(50) NULL DEFAULT NULL,

`Street` VARCHAR(50) NULL DEFAULT NULL,

`City` VARCHAR(50) NULL DEFAULT NULL,

`State` CHAR(2) NULL DEFAULT NULL,

`Zipcode` VARCHAR(50) NULL DEFAULT NULL,

PRIMARY KEY (`Branch\_ID`))

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8mb4

COLLATE = utf8mb4\_0900\_ai\_ci;

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

-- Table `my\_db`.`Branch\_Customer\_Support`

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

CREATE TABLE IF NOT EXISTS `my\_db`.`Branch\_Customer\_Support` (

`Helpdesk\_ID` INT NOT NULL AUTO\_INCREMENT,

`Phone\_Number` VARCHAR(255) NULL DEFAULT NULL,

`Support\_Executive` VARCHAR(255) NULL,

`Branch\_Branch\_ID` INT(11) NOT NULL,

PRIMARY KEY (`Helpdesk\_ID`),

INDEX `fk\_Branch\_Support\_Branch1\_idx` (`Branch\_Branch\_ID` ASC) VISIBLE,

CONSTRAINT `fk\_Branch\_Support\_Branch1`

FOREIGN KEY (`Branch\_Branch\_ID`)

REFERENCES `my\_db`.`Branch` (`Branch\_ID`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8mb4

COLLATE = utf8mb4\_0900\_ai\_ci;

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

-- Table `my\_db`.`Rental`

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

CREATE TABLE IF NOT EXISTS `my\_db`.`Rental` (

`Reservation\_Number` INT NOT NULL AUTO\_INCREMENT,

`Rental\_Fee` VARCHAR(255) NULL DEFAULT NULL,

`Pick\_up\_date` DATE NULL DEFAULT NULL,

`Return\_date` DATE NULL DEFAULT NULL,

`VIN` INT(11) NOT NULL,

`Customer\_ID` INT(11) NOT NULL,

`Pick\_up\_location` INT(11) NOT NULL,

`Return\_location` INT(11) NOT NULL,

PRIMARY KEY (`Reservation\_Number`),

INDEX `VIN` (`VIN` ASC) VISIBLE,

INDEX `Customer\_ID` (`Customer\_ID` ASC) VISIBLE,

INDEX `Pick\_up\_location` (`Pick\_up\_location` ASC) VISIBLE,

INDEX `Return\_location` (`Return\_location` ASC) VISIBLE,

CONSTRAINT `rentals\_ibfk\_1`

FOREIGN KEY (`VIN`)

REFERENCES `my\_db`.`Car` (`VIN`),

CONSTRAINT `rentals\_ibfk\_2`

FOREIGN KEY (`Customer\_ID`)

REFERENCES `my\_db`.`Customer` (`Customer\_ID`),

CONSTRAINT `rentals\_ibfk\_3`

FOREIGN KEY (`Pick\_up\_location`)

REFERENCES `my\_db`.`Branch` (`Branch\_ID`),

CONSTRAINT `rentals\_ibfk\_4`

FOREIGN KEY (`Return\_location`)

REFERENCES `my\_db`.`Branch` (`Branch\_ID`))

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;