**МІНІСТЕРСТВО ОСВІТИ І НАУКИ  УКРАЇНИ**

**НАЦІОНАЛЬНИЙ УНІВЕРСИТЕТ "ЛЬВІВСЬКА ПОЛІТЕХНІКА"**

**Інститут комп’ютерних технологій, автоматики та метрології**

**Кафедра "Комп'ютеризовані системи автоматики"**



**ЗВІТ**

про виконання **лабораторної роботи № 1**

**«Створення моделі бази даних»**

з навчальної дисципліни**: «Організація баз даних та знань»**

**Виконала:**

Студентка групи ІР-23

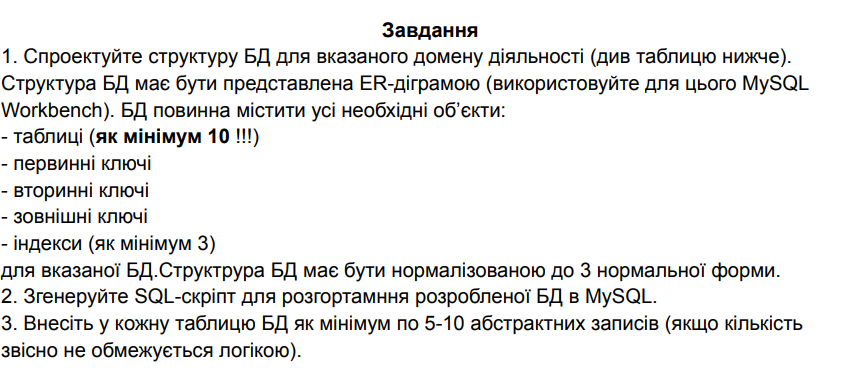
Овчаренко Віолета

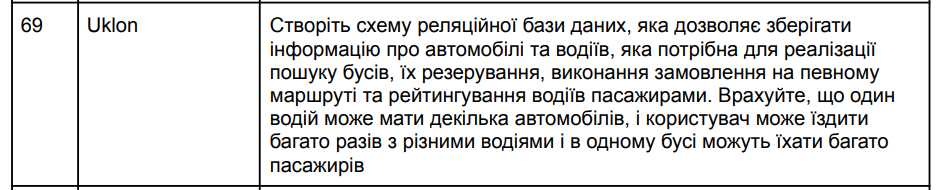
**Прийняв:**

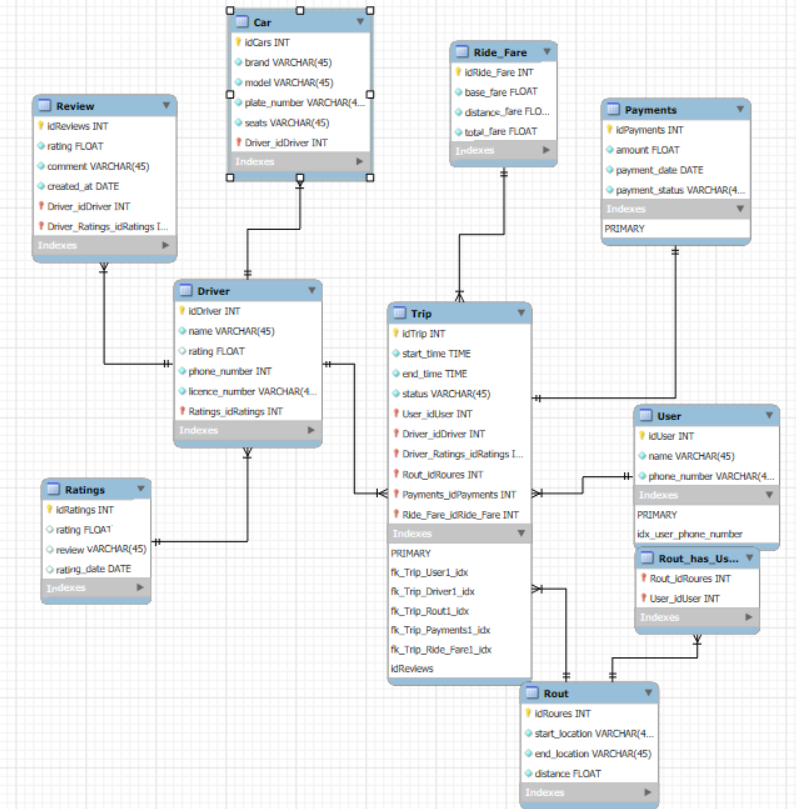
к. т. н., доц

Лагун Ілона Ігорівна

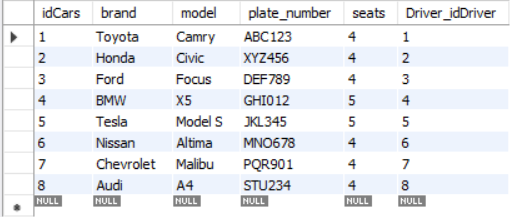
Львів — 2024



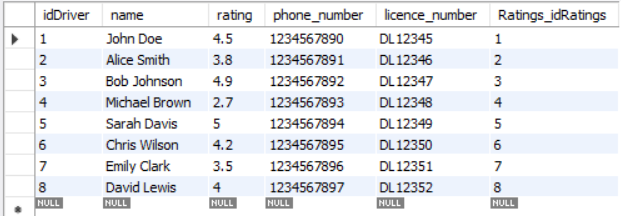




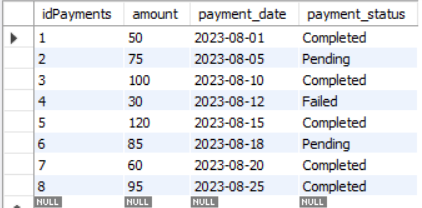
car



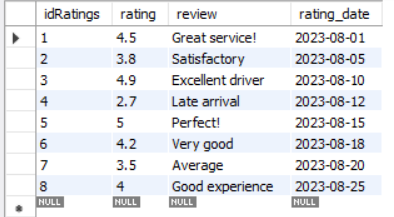
driver



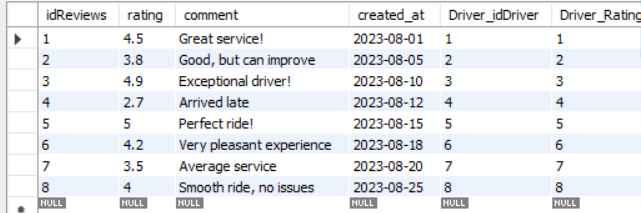
payments



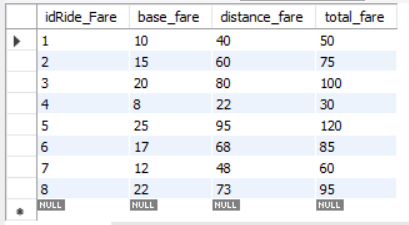
retings



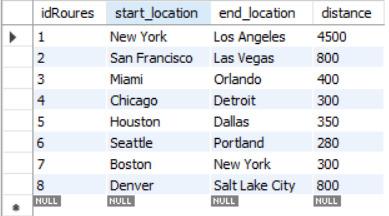
review



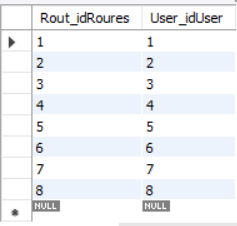
ride\_fare



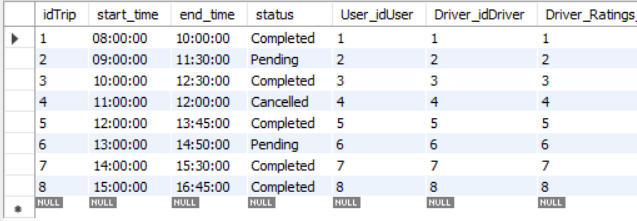
rout



rout\_has\_user



trip



user



-- 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 UklonDB

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

DROP SCHEMA IF EXISTS `UklonDB` ;

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

-- Schema UklonDB

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

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

SHOW WARNINGS;

USE `UklonDB` ;

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

-- Table `Ratings`

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

DROP TABLE IF EXISTS `Ratings` ;

SHOW WARNINGS;

CREATE TABLE IF NOT EXISTS `Ratings` (

`idRatings` INT NOT NULL AUTO\_INCREMENT,

`rating` FLOAT NULL,

`review` VARCHAR(45) NULL,

`rating\_date` DATE NULL,

PRIMARY KEY (`idRatings`))

ENGINE = InnoDB;

SHOW WARNINGS;

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

-- Table `Driver`

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

DROP TABLE IF EXISTS `Driver` ;

SHOW WARNINGS;

CREATE TABLE IF NOT EXISTS `Driver` (

`idDriver` INT NOT NULL AUTO\_INCREMENT,

`name` VARCHAR(45) NOT NULL,

`rating` FLOAT NULL,

`phone\_number` INT NOT NULL,

`licence\_number` VARCHAR(45) NOT NULL,

`Ratings\_idRatings` INT NOT NULL,

PRIMARY KEY (`idDriver`, `Ratings\_idRatings`))

ENGINE = InnoDB;

SHOW WARNINGS;

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

-- Table `Car`

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

DROP TABLE IF EXISTS `Car` ;

SHOW WARNINGS;

CREATE TABLE IF NOT EXISTS `Car` (

`idCars` INT NOT NULL AUTO\_INCREMENT,

`brand` VARCHAR(45) NOT NULL,

`model` VARCHAR(45) NOT NULL,

`plate\_number` VARCHAR(45) NOT NULL,

`seats` VARCHAR(45) NOT NULL,

`Driver\_idDriver` INT NOT NULL,

PRIMARY KEY (`idCars`, `Driver\_idDriver`))

ENGINE = InnoDB;

SHOW WARNINGS;

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

-- Table `User`

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

DROP TABLE IF EXISTS `User` ;

SHOW WARNINGS;

CREATE TABLE IF NOT EXISTS `User` (

`idUser` INT NOT NULL AUTO\_INCREMENT,

`name` VARCHAR(45) NOT NULL,

`phone\_number` VARCHAR(45) NOT NULL,

PRIMARY KEY (`idUser`))

ENGINE = InnoDB;

SHOW WARNINGS;

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

-- Table `Rout`

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

DROP TABLE IF EXISTS `Rout` ;

SHOW WARNINGS;

CREATE TABLE IF NOT EXISTS `Rout` (

`idRoures` INT NOT NULL AUTO\_INCREMENT,

`start\_location` VARCHAR(45) NOT NULL,

`end\_location` VARCHAR(45) NOT NULL,

`distance` FLOAT NOT NULL,

PRIMARY KEY (`idRoures`))

ENGINE = InnoDB;

SHOW WARNINGS;

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

-- Table `Payments`

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

DROP TABLE IF EXISTS `Payments` ;

SHOW WARNINGS;

CREATE TABLE IF NOT EXISTS `Payments` (

`idPayments` INT NOT NULL AUTO\_INCREMENT,

`amount` FLOAT NOT NULL,

`payment\_date` DATE NOT NULL,

`payment\_status` VARCHAR(45) NOT NULL,

PRIMARY KEY (`idPayments`))

ENGINE = InnoDB;

SHOW WARNINGS;

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

-- Table `Ride\_Fare`

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

DROP TABLE IF EXISTS `Ride\_Fare` ;

SHOW WARNINGS;

CREATE TABLE IF NOT EXISTS `Ride\_Fare` (

`idRide\_Fare` INT NOT NULL AUTO\_INCREMENT,

`base\_fare` FLOAT NOT NULL,

`distance\_fare` FLOAT NOT NULL,

`total\_fare` FLOAT NOT NULL,

PRIMARY KEY (`idRide\_Fare`))

ENGINE = InnoDB;

SHOW WARNINGS;

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

-- Table `Trip`

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

DROP TABLE IF EXISTS `Trip` ;

SHOW WARNINGS;

CREATE TABLE IF NOT EXISTS `Trip` (

`idTrip` INT NOT NULL AUTO\_INCREMENT,

`start\_time` TIME NOT NULL,

`end\_time` TIME NOT NULL,

`status` VARCHAR(45) NOT NULL,

`User\_idUser` INT NOT NULL,

`Driver\_idDriver` INT NOT NULL,

`Driver\_Ratings\_idRatings` INT NOT NULL,

`Rout\_idRoures` INT NOT NULL,

`Payments\_idPayments` INT NOT NULL,

`Ride\_Fare\_idRide\_Fare` INT NOT NULL,

PRIMARY KEY (`idTrip`, `User\_idUser`, `Driver\_idDriver`, `Driver\_Ratings\_idRatings`, `Rout\_idRoures`, `Payments\_idPayments`, `Ride\_Fare\_idRide\_Fare`))

ENGINE = InnoDB;

SHOW WARNINGS;

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

-- Table `Rout\_has\_User`

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

DROP TABLE IF EXISTS `Rout\_has\_User` ;

SHOW WARNINGS;

CREATE TABLE IF NOT EXISTS `Rout\_has\_User` (

`Rout\_idRoures` INT NOT NULL,

`User\_idUser` INT NOT NULL,

PRIMARY KEY (`Rout\_idRoures`, `User\_idUser`))

ENGINE = InnoDB;

SHOW WARNINGS;

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

-- Table `Review`

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

DROP TABLE IF EXISTS `Review` ;

SHOW WARNINGS;

CREATE TABLE IF NOT EXISTS `Review` (

`idReviews` INT NOT NULL,

`rating` FLOAT NOT NULL,

`comment` VARCHAR(45) NOT NULL,

`created\_at` DATE NOT NULL,

`Driver\_idDriver` INT NOT NULL,

`Driver\_Ratings\_idRatings` INT NOT NULL,

PRIMARY KEY (`idReviews`, `Driver\_idDriver`, `Driver\_Ratings\_idRatings`))

ENGINE = InnoDB;

SHOW WARNINGS;

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

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

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