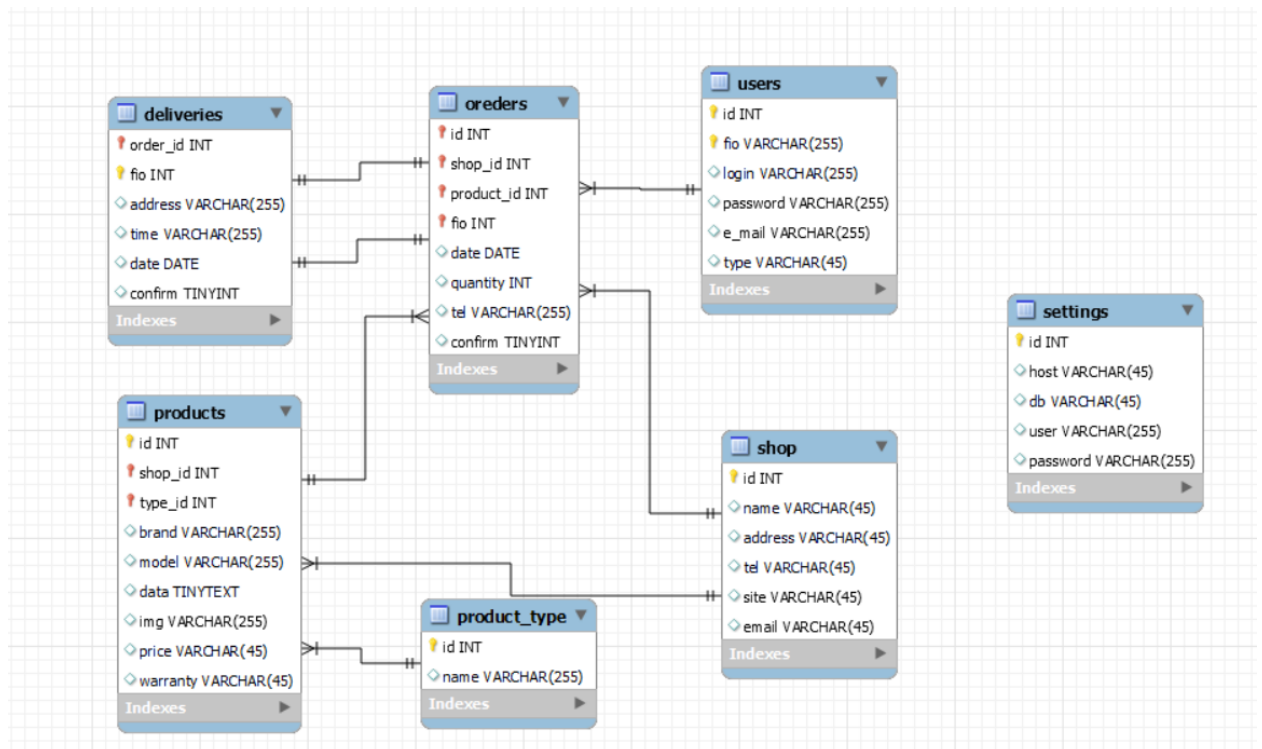
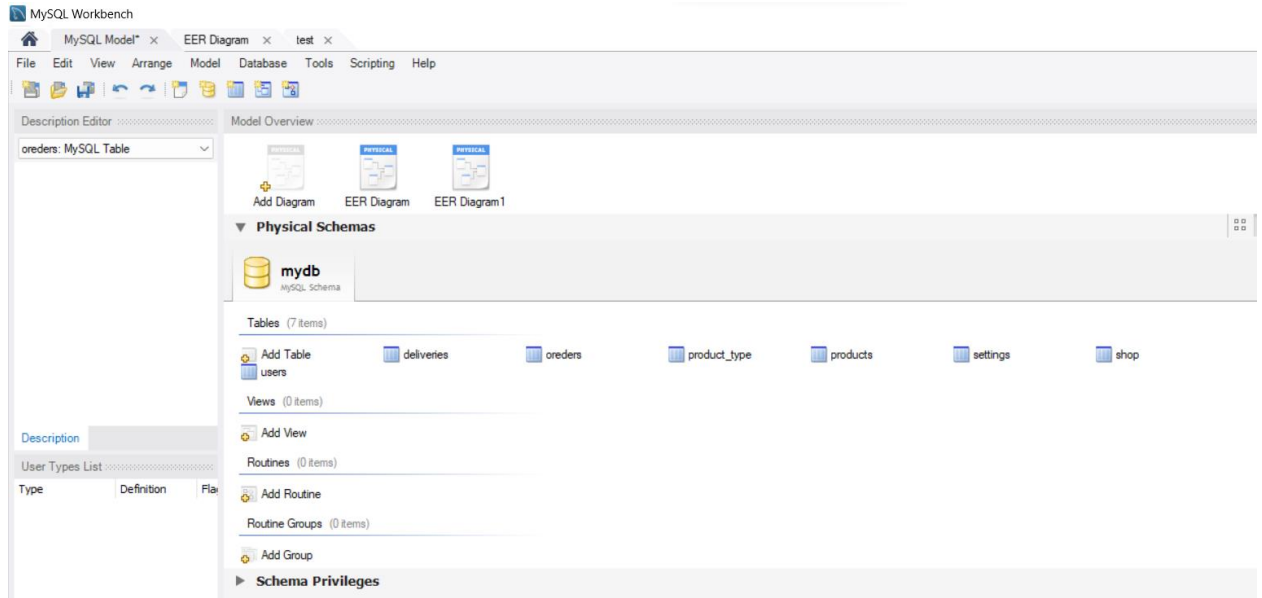


Лабораторная работа №2

Ниже я прикрепил скриншоты выполненной мною работы + sql код.



Connection Options

Options

Select Objects

Review SQL Script

Commit Progress

Forward Engineering Progress

The following tasks will now be executed. Please monitor the execution. Press Show Logs to see the execution logs.

- ☒ Connect to DBMS
- ☒ Execute Forward Engineered Script
- ☒ Read Back Changes Made by Server
- ☒ Save Synchronization State

Forward Engineer Finished Successfully

Show Logs

Back

Close

Cancel

MySQL Workbench

The screenshot shows the MySQL Workbench interface. The top menu bar includes File, Edit, View, Query, Database, Server, Tools, Scripting, and Help. Below the menu is a toolbar with various icons. The Navigator pane on the left displays the SCHEMAS section with a search filter. The 'mydb' database is expanded, showing a list of tables: deliveries, orders, product_type, products, settings, shop, and users. Other databases like 'simplifiedb' and 'sys' are also visible. The Query Editor pane on the right shows a query result for 'Query 1' with the table 'users'. The result is a single row with the value '1'.

MySQL Model* x EER Diagram x test x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

mydb

- Tables
 - deliveries
 - orders
 - product_type
 - products
 - settings
 - shop
 - users
- Views
- Stored Procedures
- Functions

simplifiedb

sys

Query 1 x users

1

-- 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_ZER
O,NO_ENGINE_SUBSTITUTION';
```

```
-- -----
-- Schema mydb
-- -----
```

```
-- -----
-- Schema mydb
-- -----
```

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

```
-- -----
-- Table `mydb`.`users`
-- -----
```

```
CREATE TABLE IF NOT EXISTS `mydb`.`users` (
  `id` INT NOT NULL,
  `fio` VARCHAR(255) NOT NULL,
  `login` VARCHAR(255) NULL,
  `password` VARCHAR(255) NULL,
  `e_mail` VARCHAR(255) NULL,
  `type` VARCHAR(45) NULL,
  PRIMARY KEY (`id`, `fio`),
  UNIQUE INDEX `id_UNIQUE` (`id` ASC) VISIBLE,
  UNIQUE INDEX `login_UNIQUE` (`login` ASC) VISIBLE)
ENGINE = InnoDB;
```

```
-- -----  
-- Table `mydb`.`settings`  
-- -----
```

```
CREATE TABLE IF NOT EXISTS `mydb`.`settings` (  
  `id` INT NOT NULL,  
  `host` VARCHAR(45) NULL,  
  `db` VARCHAR(45) NULL,  
  `user` VARCHAR(255) NULL,  
  `password` VARCHAR(255) NULL,  
  PRIMARY KEY (`id`),  
  UNIQUE INDEX `id_UNIQUE` (`id` ASC) VISIBLE)  
ENGINE = InnoDB;
```

```
-- -----  
-- Table `mydb`.`product_type`  
-- -----
```

```
CREATE TABLE IF NOT EXISTS `mydb`.`product_type` (  
  `id` INT NOT NULL,  
  `name` VARCHAR(255) NULL,  
  PRIMARY KEY (`id`),  
  UNIQUE INDEX `id_UNIQUE` (`id` ASC) VISIBLE)  
ENGINE = InnoDB;
```

```
-- -----  
-- Table `mydb`.`shop`  
-- -----
```

```
CREATE TABLE IF NOT EXISTS `mydb`.`shop` (  
  `id` INT NOT NULL AUTO_INCREMENT,  
  `name` VARCHAR(45) NULL,  
  `address` VARCHAR(45) NULL,  
  `tel` VARCHAR(45) NULL,  
  `site` VARCHAR(45) NULL,  
  `email` VARCHAR(45) NULL,  
  PRIMARY KEY (`id`),
```

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```
UNIQUE INDEX `id_UNIQUE` (`id` ASC) VISIBLE)
ENGINE = InnoDB;
```

```
-- Table `mydb`.`products`
```

```
CREATE TABLE IF NOT EXISTS `mydb`.`products` (
  `id` INT NOT NULL AUTO_INCREMENT,
  `shop_id` INT NOT NULL,
  `type_id` INT NOT NULL,
  `brand` VARCHAR(255) NULL,
  `model` VARCHAR(255) NULL,
  `data` TINYTEXT NULL,
  `img` VARCHAR(255) NULL,
  `price` VARCHAR(45) NULL,
  `warranty` VARCHAR(45) NULL,
  PRIMARY KEY (`id`, `shop_id`, `type_id`),
  UNIQUE INDEX `id_UNIQUE` (`id` ASC) VISIBLE,
  INDEX `product_to_type_idx` (`type_id` ASC) VISIBLE,
  INDEX `shop_to_products_idx` (`shop_id` ASC) VISIBLE,
  CONSTRAINT `product_to_type`
    FOREIGN KEY (`type_id`)
      REFERENCES `mydb`.`product_type` (`id`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION,
  CONSTRAINT `shop_to_products`
    FOREIGN KEY (`shop_id`)
      REFERENCES `mydb`.`shop` (`id`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION)
ENGINE = InnoDB;
```

```
-- Table `mydb`.`deliveries`
```

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```
CREATE TABLE IF NOT EXISTS `mydb`.`deliveries` (  
  `order_id` INT NOT NULL AUTO_INCREMENT,  
  `fio` INT NOT NULL,  
  `address` VARCHAR(255) NULL,  
  `time` VARCHAR(255) NULL,  
  `date` DATE NULL,  
  `confirm` TINYINT NULL,  
  PRIMARY KEY (`order_id`, `fio`),  
  UNIQUE INDEX `order_id_UNIQUE` (`order_id` ASC) VISIBLE,  
  CONSTRAINT `deliveries_to_orders`  
    FOREIGN KEY (`order_id`)  
    REFERENCES `mydb`.`orders` (`id`)  
    ON DELETE NO ACTION  
    ON UPDATE NO ACTION)  
ENGINE = InnoDB;
```

-- -----

-- Table `mydb`.`orders`

-- -----

```
CREATE TABLE IF NOT EXISTS `mydb`.`orders` (  
  `id` INT NOT NULL AUTO_INCREMENT,  
  `shop_id` INT NOT NULL,  
  `product_id` INT NOT NULL,  
  `fio` INT NOT NULL,  
  `date` DATE NULL,  
  `quantity` INT NULL,  
  `tel` VARCHAR(255) NULL,  
  `confirm` TINYINT NULL,  
  PRIMARY KEY (`id`, `shop_id`, `product_id`, `fio`),  
  UNIQUE INDEX `id_UNIQUE` (`id` ASC) VISIBLE,  
  INDEX `orders_to_products_idx` (`product_id` ASC) VISIBLE,  
  INDEX `orders_to_shop_idx` (`shop_id` ASC) VISIBLE,  
  INDEX `ordersf_todoliveriesf_idx` (`fio` ASC) VISIBLE,  
  CONSTRAINT `orders_to_products`  
    FOREIGN KEY (`product_id`)  
    REFERENCES `mydb`.`products` (`id`)
```

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```
ON DELETE NO ACTION
ON UPDATE NO ACTION,
CONSTRAINT `orders_to_shop`
FOREIGN KEY (`shop_id`)
REFERENCES `mydb`.`shop` (`id`)
ON DELETE NO ACTION
ON UPDATE NO ACTION,
CONSTRAINT `orders_to_users`
FOREIGN KEY (`id`)
REFERENCES `mydb`.`users` (`id`)
ON DELETE NO ACTION
ON UPDATE NO ACTION,
CONSTRAINT `ordersf_todoliveriesf`
FOREIGN KEY (`fio`)
REFERENCES `mydb`.`deliveries` (`fio`)
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;
```

В ходе выполнения работы ошибки не были выявлены, спасибо за внимание.