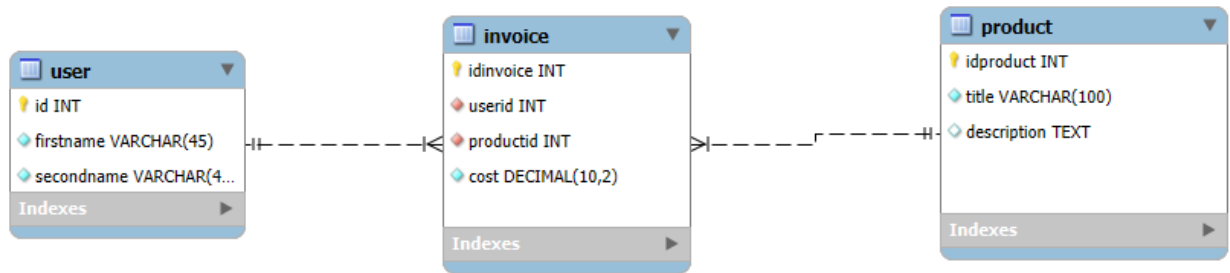


## Лабораторная работа №2

### Задание №1:



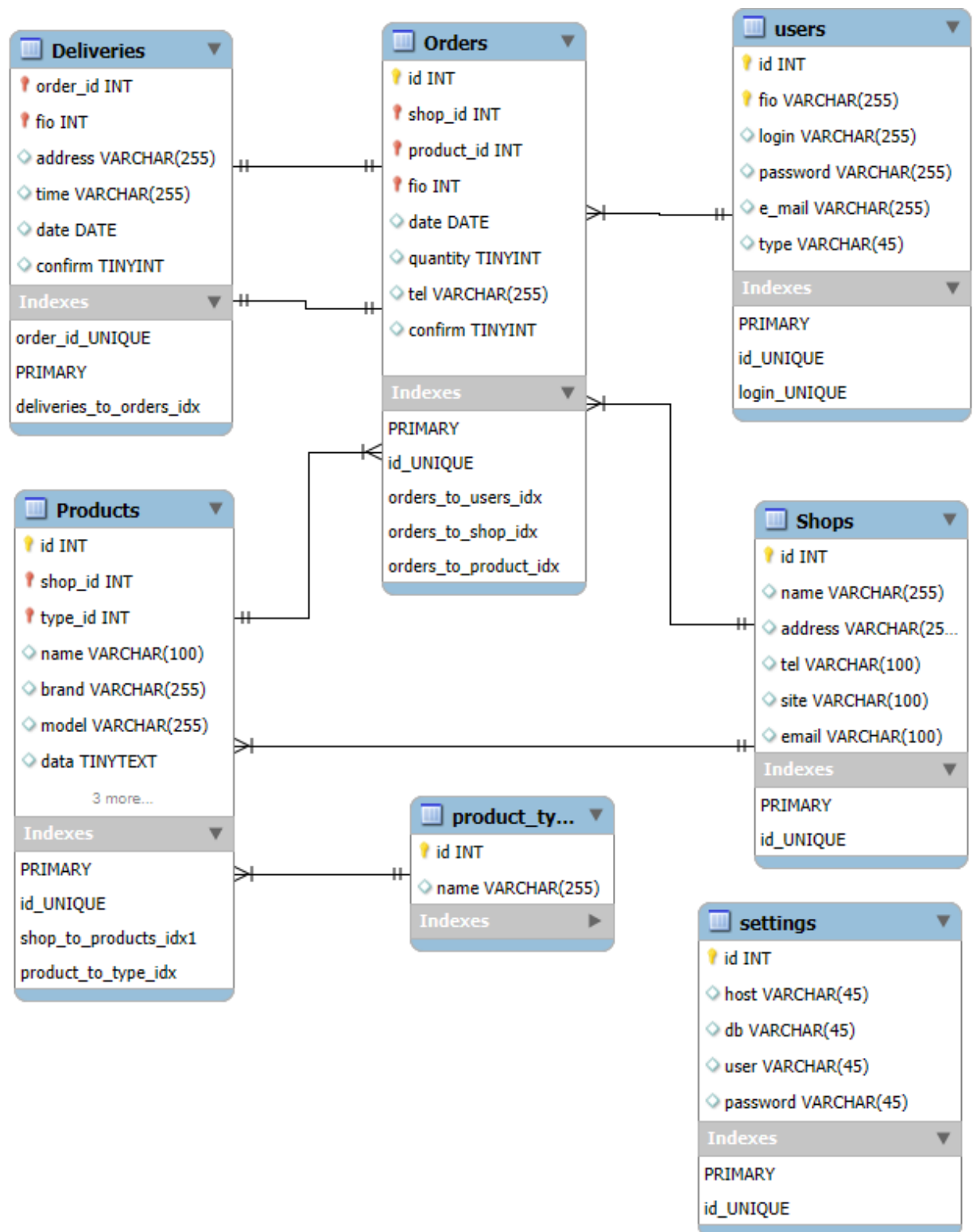
Ссылка на запрос:

<https://github.com/KOTorCAT/BD4s/blob/main/2%D0%9B%D0%91%20%20%D0%BA%D0%BE%D0%B4>

```
CREATE TABLE IF NOT EXISTS `firstModel`.`invoice` (  
  `idinvoice` INT NOT NULL AUTO_INCREMENT,  
  `userid` INT NOT NULL,  
  `productid` INT NOT NULL,  
  `cost` DECIMAL(10,2) NOT NULL,  
  PRIMARY KEY (`idinvoice`),  
  INDEX `user_idx` (`userid` ASC) VISIBLE,  
  INDEX `prod_idx` (`productid` ASC) VISIBLE,  
  CONSTRAINT `user`  
    FOREIGN KEY (`userid`)  
      REFERENCES `firstModel`.`user` (`id`)  
      ON DELETE CASCADE  
      ON UPDATE CASCADE,  
  CONSTRAINT `prod`  
    FOREIGN KEY (`productid`)  
      REFERENCES `firstModel`.`product` (`idproduct`)  
      ON DELETE CASCADE  
      ON UPDATE CASCADE)
```

ENGINE = InnoDB

Задание №2:



Ссылка на запрос:

<https://github.com/KOTorCAT/BD4s/blob/main/2%20%D0%9B%D0%91%20%D0%BA%D0%BE%D0%B4%202>

```
CREATE TABLE IF NOT EXISTS `task2`.`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` TINYINT 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_users_idx` (`fio` ASC) VISIBLE,  
  INDEX `orders_to_shop_idx` (`shop_id` ASC) VISIBLE,  
  INDEX `orders_to_product_idx` (`product_id` ASC) VISIBLE,  
  CONSTRAINT `orders_to_users`  
    FOREIGN KEY (`fio`)  
    REFERENCES `task2`.`users` (`id`)  
    ON DELETE NO ACTION  
    ON UPDATE NO ACTION,  
  CONSTRAINT `orders_to_shop`  
    FOREIGN KEY (`shop_id`)  
    REFERENCES `task2`.`Shops` (`id`)  
    ON DELETE NO ACTION  
    ON UPDATE NO ACTION,  
  CONSTRAINT `orders_to_product`
```

```
FOREIGN KEY (`product_id`)  
REFERENCES `task2`.`Products` (`id`)  
ON DELETE NO ACTION  
ON UPDATE NO ACTION)
```

ENGINE = InnoDB

### Задание №3:

