# Государственное бюджетное профессиональное образовательное учреждение города Москвы

# «Московский государственный колледж электромеханики и информационных технологий» (ГБПОУ МГКЭИТ)

Отчет по практической работе №4 Проектирование базы данных инвентаризация

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## **ВВЕДЕНИЕ**

Цель – Научиться разрабатывать объекты базы данных.

### Задачи:

- 1) Написать SQL-код создания таблиц;
- 2) Написать SQL-код создания представлений;
- 3) Написать SQL-код создания API (процедур и функций);
- 4) Написать SQL-код создания пользователей.

Результат: отчёт, sql-файлы с кодом реализации

Предмет исследования – магазин.

Объекты исследования – база данных.

#### ОСНОВНАЯ ЧАСТЬ

1. Написать SQL-код создания таблиц.

```
1) Кол написания таблицы «auditor».
CREATE TABLE `инвентаризация`.`auditor` (
 id_auditor INT AUTO_INCREMENT PRIMARY KEY,
 name VARCHAR(30) NOT NULL,
 last_name VARCHAR(30) NOT NULL,
 middle_name VARCHAR(30) NOT NULL,
 experience FLOAT NOT NULL,
 id_scanner INT NOT NULL
);
2) Код написания таблицы «Emloyee».
  CREATE TABLE `инвентаризация`.`employee` (
    id_employee INT AUTO_INCREMENT PRIMARY KEY,
    name VARCHAR(30) NOT NULL,
    last_name VARCHAR(30) NOT NULL,
    middle_name VARCHAR(30) NOT NULL,
    experience FLOAT NOT NULL
  );
3) Код написания таблицы «Scanner».
  CREATE TABLE `инвентаризация`. `scanner` (
    Id_scanner INT AUTO_INCREMENT PRIMARY KEY,
    name VARCHAR(30) NOT NULL,
    operation_system VARCHAR(30) NOT NULL,
    producer VARCHAR(30) NOT NULL
  );
```

```
4) Код написания таблицы «Items».
  CREATE TABLE `инвентаризация`.`items` (
    Id_item INT AUTO_INCREMENT PRIMARY KEY,
     name VARCHAR(30) NOT NULL,
     amount INT UNSIGNED NOT NULL,
     trend VARCHAR(30) NOT NULL,
     colour VARCHAR(30) NOT NULL,
     sex VARCHAR(30) NOT NULL,
     structure VARCHAR(30) NOT NULL
  );
5) Код написания таблицы «Section».
  CREATE TABLE `инвентаризация`.`section` (
     Id_section INT AUTO_INCREMENT PRIMARY KEY,
     Id_auditor INT(11),
     id_employee INT(11),
     id item INT(11)
  );
2. Написать SQL-код создания представлений.
  1) Информация о ревизорах
     CREATE
       ALGORITHM = UNDEFINED
       DEFINER = `root`@`localhost`
       SQL SECURITY DEFINER
     VIEW `informationaboutauditors` AS
       SELECT
         `auditor`.`first_name` AS `first_name`,
         `auditor`.`last_name` AS `last_name`,
         'auditor'.'middle name' AS 'middle name',
         `auditor`.`expirience` AS `expirience`,
         `auditor`.`id_scanner` AS `id_scanner`
```

#### **FROM**

#### `auditor`

2) Информация о сотрудниках

#### **CREATE**

**ALGORITHM = UNDEFINED** 

**DEFINER** = `root`@`localhost`

**SQL SECURITY DEFINER** 

VIEW 'informationaboutemployee' AS

#### **SELECT**

`e`.`first\_name` AS `first\_name`,

`e`.`last\_name` AS `last\_name`,

`e`.`middle\_name` AS `middle\_name`,

`e`.`expirience` AS `expirience`,

`s`.`id\_section` AS `id\_section`

#### **FROM**

('employee' 'e'

JOIN `section` `s` ON ((`e`.`id\_employee`

`s`.`id\_employee`)))

ORDER BY `e`.`first\_name`

## 3. Написать SQL-код создания API (процедур и функций).

SQL-код	Описание функции
add_auditor(first_name varchar(30), last_name	Добавляет ревизора в базу данных
varchar(30), middle_name varchar(30), expirience	
float(11),id_scanner)	
CREATE DEFINER=`root`@`localhost`	Изменяет имя ревизора
PROCEDURE `auditor_first_name` (id int,	
first_name varchar(30))	
BEGIN	
update auditor set first_name=first_name	
where id_auditor=id;	
END	

PROCEDURE 'auditor_last_name' (id int, last_name varchar(30)) BEGIN  update auditor set last_name=last_name where id_auditor=id; END  CREATE DEFINER='Pebusop'@'%' PROCEDURE 'auditor_middle_name'() BEGIN  update auditor set middle_name='Oba.nob' where id_auditor=2; END  CREATE DEFINER='Pebusop'@'%' PROCEDURE 'expirience'() BEGIN  UPDATE auditor set expirience=12 WHERE id_auditor=4; END  CREATE DEFINER='Pebusop'@'%' PROCEDURE 'scanner'() BEGIN  UPDATE auditor set id_scanner=4 WHERE id_auditor=2; END  CREATE DEFINER='Pebusop'@'%' PROCEDURE 'scanner'() BEGIN  UPDATE auditor set id_scanner=4 WHERE id_auditor=2; END  CREATE DEFINER='Pebusop'@'%' PROCEDURE 'delete_auditor'() BEGIN delete from auditor where id_auditor=2; END  add_employee(first_name varchar(30), last_name varchar(30), middle_name varchar(30), expirience float(11))	CREATE DEFINER=`root`@`localhost`	Изменяет фамилию ревизора
BEGIN update auditor set last_name=last_name where id_auditor=id; END  CREATE DEFINER='Peвизор'@'%' PROCEDURE 'auditor_middle_name'() BEGIN update auditor set middle_name='Oвалов' where id_auditor=2; END  CREATE DEFINER='Peвизор'@'%' PROCEDURE 'expirience'() BEGIN UPDATE auditor set expirience=12 WHERE id_auditor=4; END  CREATE DEFINER='Peвизор'@'%' PROCEDURE 'scanner'() BEGIN UPDATE auditor set id_scanner=4 WHERE id_auditor=2; END  CREATE DEFINER='Peвизор'@'%' PROCEDURE 'delete_auditor'() BEGIN delete from auditor where id_auditor=2; END  add_employee(first_name varchar(30), last_name varchar(30), middle_name varchar(30), expirience  // Маменяет стаж ревизора  // Маменяет стаж ревизора  // Маменяет сканнер ревизора  // Удаляет ревизора по идентификатору  // Добавляет сотрудника в базу данных varchar(30), middle_name varchar(30), expirience	PROCEDURE `auditor_last_name` (id int, last_name	
update auditor set last_name=last_name where id_auditor=id; END  CREATE DEFINER='Pebusop'@'%' PROCEDURE 'auditor_middle_name'() BEGIN update auditor set middle_name='Obanob' where id_auditor=2; END  CREATE DEFINER='Pebusop'@'%' PROCEDURE 'expirience'() BEGIN UPDATE auditor set expirience=12 WHERE id_auditor=4; END  CREATE DEFINER='Pebusop'@'%' PROCEDURE 'scanner'() BEGIN UPDATE auditor set id_scanner=4 WHERE id_auditor set id_scanner=4 WHERE id_auditor=2; END  CREATE DEFINER='Pebusop'@'%' Yyanner pebusopa no update auditor=2; END  delete from auditor where id_auditor=2; END  add_employee(first_name varchar(30), last_name varchar(30), middle_name varchar(30), expirience  // Wassenser or vector or	varchar(30))	
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END  CREATE DEFINER='Pebusop'@'%' PROCEDURE `auditor_middle_name'() BEGIN update auditor set middle_name='Obaлob' where id_auditor=2; END  CREATE DEFINER='Pebusop'@'%' PROCEDURE `expirience'() BEGIN UPDATE auditor set expirience=12 WHERE id_auditor=4; END  CREATE DEFINER='Pebusop'@'%' PROCEDURE `scanner'() BEGIN UPDATE auditor set id_scanner=4 WHERE id_auditor=2; END  CREATE DEFINER='Pebusop'@'%' PROCEDURE `delete_auditor'() BEGIN UPDATE auditor=2; END  CREATE DEFINER='Pebusop'@'%' Vyaaner pebusopa no updehtudpukatopy  Where id_auditor=2; END  add_employee(first_name varchar(30), last_name varchar(30), middle_name varchar(30), expirience  Ausmenser отчество ревизора  Изменяет отчество ревизора  Изменяет стаж ревизора  Изменяет сканнер ревизора  Изменяет стаж ревизора  Изменяет отчество ревизора  Изменяет стаж ревизора  Изменяет сканнер ревизора  Изменяет сканнер ревизора  Изменяет сканнер ревизора  Изменяет сканнер ревизора  Изменяет стаж ревизора  Изменяет стаж ревизора  Изменяет стаж ревизора  Изменяет сканнер ревизора  Изменяет сканнер ревизора  Изменяет стаж ревизора  Изм	update auditor set last_name=last_name	
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BEGIN  delete from auditor  where id_auditor=2;  END  add_employee(first_name varchar(30), last_name  varchar(30), middle_name varchar(30), expirience  Добавляет сотрудника в базу данных	CREATE DEFINER=`Ревизор`@`%`	Удаляет ревизора по
delete from auditor where id_auditor=2; END add_employee(first_name varchar(30), last_name varchar(30), middle_name varchar(30), expirience  Добавляет сотрудника в базу данных	PROCEDURE `delete_auditor`()	идентификатору
where id_auditor=2; END  add_employee(first_name varchar(30), last_name varchar(30), middle_name varchar(30), expirience  Добавляет сотрудника в базу данных	BEGIN	
END  add_employee(first_name varchar(30), last_name  varchar(30), middle_name varchar(30), expirience  Добавляет сотрудника в базу данных	delete from auditor	
add_employee(first_name varchar(30), last_name       Добавляет сотрудника в базу данных         varchar(30), middle_name varchar(30), expirience	where id_auditor=2;	
varchar(30), middle_name varchar(30), expirience	END	
	add_employee(first_name varchar(30), last_name	Добавляет сотрудника в базу данных
float(11))	varchar(30), middle_name varchar(30), expirience	
	float(11))	

PROCEDURE `employee_first_name*() BEGIN  update employee set first_name="Poман' where id_employee=2; END  CREATE DEFINER=`Peвизор`@`%` PROCEDURE `employee_last_name*() BEGIN  update employee set last_name='Tlonoв' where id_employee=2; END  CREATE DEFINER=`Peвизор`@`%` PROCEDURE `employee_middle_name*() BEGIN  update employee set middle_name='Anekcantpobuy' where id_employee=2; END  CREATE DEFINER=`Peвизор`@`%` PROCEDURE `employee_xpirience*() BEGIN  update employee set middle_name='Anekcantpobuy' where id_employee=2; END  CREATE DEFINER=`Peвизор`@`%` PROCEDURE `employee_expirience*() BEGIN  update employee set expirience='5' where id_employee=1; END  CREATE DEFINER=`Peвизор`@`%` PROCEDURE `delete_employee`() BEGIN delete from employee where id_employee=4; END  add_scanner(name varchar(30), operation_system(30), producer(30))	CREATE DEFINER=`Ревизор`@`%`	Изменяет имя сотрудника
update employee set first_name='Poман' where id_employee=2; END  CREATE DEFINER='Pcвизор'@'%' PROCEDURE 'employee_last_name'() BEGIN update cmployee set last_name='Honob' where id_employee=2; END  CREATE DEFINER='Peвизор'@'%' PROCEDURE 'employee_middle_name'() BEGIN update employee set middle_name='Anekcandpobuv' where id_employee=2; END  CREATE DEFINER='Peвизор'@'%' PROCEDURE 'employee_expirience'() BEGIN update employee set expirience'() BEGIN update employee set expirience'() BEGIN update employee set expirience'() BEGIN update employee set expirience'' where id_employee=1; END  CREATE DEFINER='Peвизор'@'%' PROCEDURE 'employee'() BEGIN update employee set expirience'' where id_employee=1; END  CREATE DEFINER='Peвизор'@'%' PYdanset cotpydhuka no udchtrudpukatopy  BEGIN delete from employee where id_employee=4; END  add_scanner(name varchar(30),  Joбавляет сканнер в базу данных	PROCEDURE `employee_first_name`()	
where id_employee=2; END  CREATE DEFINER='Pebusop'@'%' PROCEDURE 'employee_last_name'() BEGIN update employee set last_name='Honob' where id_employee=2; END  CREATE DEFINER='Pebusop'@'%' PROCEDURE 'employee_middle_name'() BEGIN update employee set middle_name='Anexcanapobuu' where id_employee=2; END  CREATE DEFINER='Pebusop'@'%' PROCEDURE 'employee_expirience'() BEGIN update employee=2; END  CREATE DEFINER='Pebusop'@'%' PROCEDURE 'employee_expirience'() BEGIN update employee set expirience'5' where id_employee set expirience'5' where id_employee=1; END  CREATE DEFINER='Pebusop'@'%' Yaanser corpyahuka no ugchtrudpukatopy BEGIN delete from employee where id_employee=4; END  add_scanner(name varchar(30), Aoōabляст сканнер в базу данных	BEGIN	
END  CREATE DEFINER='Pebusop'@'%' PROCEDURE 'employee_last_name'() BEGIN update employee set last_name='Попов' where id_employee=2; END  CREATE DEFINER='Pebusop'@'%' PROCEDURE 'employee_middle_name'() BEGIN update employee set middle_name='Aлсксандрович' where id_employee=2; END  CREATE DEFINER='Pebusop'@'%' PROCEDURE 'employee_expirience'() BEGIN update employee set middle_name='Aлсксандрович' where id_employee=2; END  CREATE DEFINER='Pebusop'@'%' Where id_employee set expirience='5' where id_employee set expirience='5' where id_employee=1; END  CREATE DEFINER='Pebusop'@'%' PROCEDURE 'delete_employee'() BEGIN delete from employee where id_employee=4; END  add_scanner(name varchar(30),  JOGABBJRET CKAHHEP B GASY ДАННЫХ	update employee set first_name='Роман'	
CREATE DEFINER='Pebusop'@'%' PROCEDURE 'employee_last_name'() BEGIN update employee set last_name='Попов' where id_employee=2; END  CREATE DEFINER='Pebusop'@'%' PROCEDURE 'employee_middle_name'() BEGIN update employee set middle_name='Aлександрович' where id_employee=2; END  CREATE DEFINER='Pebusop'@'%' PROCEDURE 'employee_expirience'() BEGIN update employee set expirience='5' where id_employees=1; END  CREATE DEFINER='Pebusop'@'%' PROCEDURE 'employee=1; END  CREATE DEFINER='Pebusop'@'%' Whanser compydhuka no update employee set expirience=5' Where id_employee=1; END  CREATE DEFINER='Pebusop'@'%' PROCEDURE 'delete_employee'() BEGIN delete from employee where id_employee=4; END  add_scanner(name varchar(30),  Joбавляет сканнер в базу данных	where id_employee=2;	
PROCEDURE `employee_last_name`()  BEGIN  update employee set last_name='Попов' where id_employee=2; END  CREATE DEFINER=`Peвизор`@`%` PROCEDURE `employee_middle_name`()  BEGIN  update employee set middle_name='Aлександрович' where id_employee=2; END  CREATE DEFINER=`Peвизор`@`%` PROCEDURE `employee_expirience`()  BEGIN  update employee set expirience='5' where id_employee set expirience='5' where id_employee=1; END  CREATE DEFINER=`Peвизор`@`%` PROCEDURE `delete_employee'()  BEGIN  update employee=4; END  Aganser coтрудника по  идентификатору  BEGIN  delete from employee where id_employee=4; END  add_scanner(name varchar(30),  Agoбавляет сканнер в базу данных	END	
BEGIN update employee set last_name='Попов' where id_employee=2; END  CREATE DEFINER='Peвизор'@'%' PROCEDURE 'employee_middle_name'() BEGIN update employee set middle_name='Aлександрович' where id_employee=2; END  CREATE DEFINER='Peвизор'@'%' PROCEDURE 'employee_expirience'() BEGIN update employee set expirience'() BEGIN update employee set expirience='5' where id_employee=1; END  CREATE DEFINER='Peвизор'@'%' PROCEDURE 'delete_employee'() BEGIN update employee=1; END  CREATE DEFINER='Peвизор'@'%' PROCEDURE 'delete_employee'() BEGIN delete from employee where id_employee=4; END  add_scanner(name varchar(30),  Agoababet сканнер в базу данных	CREATE DEFINER=`Ревизор`@`%`	Изменяет фамилию сотрудника
update employee set last_name='Попов' where id_employee=2; END  CREATE DEFINER=`Peвизор`@`%` PROCEDURE `employee_middle_name`() BEGIN update employee set middle_name='Aлександрович' where id_employee=2; END  CREATE DEFINER=`Peвизор`@`%` PROCEDURE `employee_expirience`() BEGIN update employee set expirience`() BEGIN update employee set expirience='5' where id_employee=1; END  CREATE DEFINER=`Peвизор`@`%` PROCEDURE `delete_employee`() BEGIN delete from employee where id_employee=4; END  add_scanner(name varchar(30),  JOбавляет сканнер в базу данных	PROCEDURE `employee_last_name`()	
where id_employee=2; END  CREATE DEFINER=`Peвизор`@`%` PROCEDURE `employee_middle_name`() BEGIN update employee set middle_name='Aлександрович' where id_employee=2; END  CREATE DEFINER=`Peвизор`@`%` PROCEDURE `employee_expirience`() BEGIN update employee set expirience`() BEGIN update employee set expirience='5' where id_employee=1; END  CREATE DEFINER=`Peвизор`@`%` PROCEDURE `delete_employee`() BEGIN delete from employee where id_employee=4; END  add_scanner(name varchar(30),  JOбавляет сканнер в базу данных	BEGIN	
END  CREATE DEFINER=`Pebu3op`@`%` PROCEDURE `employee_middle_name`() BEGIN update employee set middle_name='Aлександрович' where id_employee=2; END  CREATE DEFINER=`Pebu3op`@`%` PROCEDURE `employee_expirience`() BEGIN update employee set expirience='5' where id_employee=1; END  CREATE DEFINER=`Pebu3op`@`%` PROCEDURE `delete_employee'() BEGIN delete from employee where id_employee=4; END  add_scanner(name varchar(30),  JOGABЛЯСТ СКАННЕР В базу данных	update employee set last_name='Попов'	
CREATE DEFINER=`Peвизор`@`%` PROCEDURE `employee_middle_name`() BEGIN update employee set middle_name='Aлександрович' where id_employee=2; END  CREATE DEFINER=`Peвизор`@`%` PROCEDURE `employee_expirience`() BEGIN update employee set expirience='5' where id_employee=1; END  CREATE DEFINER=`Peвизор`@`%` PROCEDURE `employee'() BEGIN update employee=1; END  CREATE DEFINER=`Peвизор`@`%` Vyaaляет сотрудника по идентификатору BEGIN delete from employee where id_employee=4; END  add_scanner(name varchar(30),  Joбавляет сканнер в базу данных	where id_employee=2;	
PROCEDURE `employee_middle_name`()  BEGIN  update employee set  middle_name='Aлександрович'  where id_employee=2;  END  CREATE DEFINER=`Peвизор`@`%`  PROCEDURE `employee_expirience`()  BEGIN  update employee set expirience='5'  where id_employee=1;  END  CREATE DEFINER=`Peвизор`@`%`  PROCEDURE `delete_employee`()  BEGIN  delete from employee  where id_employee=4;  END  add_scanner(name varchar(30),  Добавляет сканнер в базу данных	END	
BEGIN  update employee set  middle_name='Aлександрович'  where id_employee=2;  END  CREATE DEFINER='Peвизор'@'%'  PROCEDURE 'employee_expirience'()  BEGIN  update employee set expirience='5'  where id_employee=1;  END  CREATE DEFINER='Peвизор'@'%'  PROCEDURE 'delete_employee'()  BEGIN  delete from employee  where id_employee=4;  END  add_scanner(name varchar(30),  AGÓABЛЯЕТ СКАННЕР В бАЗУ ДАННЫХ	CREATE DEFINER=`Ревизор`@`%`	Изменяет Отчество сотрудника
update employee set middle_name='Aлександрович' where id_employee=2; END  CREATE DEFINER=`Peвизор`@`%` PROCEDURE `employee_expirience`() BEGIN update employee set expirience='5' where id_employee=1; END  CREATE DEFINER=`Peвизор`@`%` PROCEDURE `delete_employee`() BEGIN delete from employee where id_employee=4; END  add_scanner(name varchar(30),  Joбавляет сканнер в базу данных	PROCEDURE `employee_middle_name`()	
middle_name='Aлександрович' where id_employee=2; END  CREATE DEFINER='Peвизор`@`%` PROCEDURE `employee_expirience`() BEGIN update employee set expirience='5' where id_employee=1; END  CREATE DEFINER='Peвизор`@`%` PROCEDURE `delete_employee`() BEGIN delete from employee where id_employee=4; END  add_scanner(name varchar(30),  Augmenser ctaж сотрудника  Изменяет стаж сотрудника  Удаляет стаж сотрудника  идентификатору  Удаляет сотрудника по идентификатору  Добавляет сканнер в базу данных	BEGIN	
where id_employee=2; END  CREATE DEFINER=`Peвизор`@`%`  PROCEDURE `employee_expirience`()  BEGIN  update employee set expirience='5' where id_employee=1; END  CREATE DEFINER=`Peвизор`@`%`  PROCEDURE `delete_employee`()  BEGIN  delete from employee where id_employee=4; END  add_scanner(name varchar(30),  Associated with the part of the part	update employee set	
END  CREATE DEFINER=`Peвизор`@`%` PROCEDURE `employee_expirience`() BEGIN update employee set expirience='5' where id_employee=1; END  CREATE DEFINER=`Peвизор`@`%` PROCEDURE `delete_employee`() BEGIN delete from employee where id_employee=4; END  add_scanner(name varchar(30),  Joбавляет сканнер в базу данных	middle_name='Александрович'	
CREATE DEFINER=`Peвизор`@`%` PROCEDURE `employee_expirience`() BEGIN update employee set expirience='5' where id_employee=1; END  CREATE DEFINER=`Peвизор`@`%` PROCEDURE `delete_employee`() BEGIN delete from employee where id_employee=4; END  add_scanner(name varchar(30),  Joбавляет сканнер в базу данных	where id_employee=2;	
PROCEDURE `employee_expirience`()  BEGIN  update employee set expirience='5'  where id_employee=1;  END  CREATE DEFINER=`Peвизор`@`%`  PROCEDURE `delete_employee`()  BEGIN  delete from employee  where id_employee=4;  END  add_scanner(name varchar(30),  Добавляет сканнер в базу данных	END	
BEGIN  update employee set expirience='5' where id_employee=1; END  CREATE DEFINER='Peвизор'@'%' PROCEDURE `delete_employee`() BEGIN delete from employee where id_employee=4; END  add_scanner(name varchar(30),  Добавляет сканнер в базу данных	CREATE DEFINER=`Ревизор`@`%`	Изменяет стаж сотрудника
update employee set expirience='5' where id_employee=1; END  CREATE DEFINER=`Peвизор`@`%` PROCEDURE `delete_employee`()  BEGIN delete from employee where id_employee=4; END  add_scanner(name varchar(30),  Добавляет сканнер в базу данных	PROCEDURE `employee_expirience`()	
where id_employee=1; END  CREATE DEFINER=`Peвизор`@`%` PROCEDURE `delete_employee`()  BEGIN  delete from employee where id_employee=4; END  add_scanner(name varchar(30),  Добавляет сканнер в базу данных	BEGIN	
END  CREATE DEFINER=`Peвизор`@`%`  PROCEDURE `delete_employee`()  BEGIN  delete from employee  where id_employee=4;  END  add_scanner(name varchar(30),  Добавляет сканнер в базу данных	update employee set expirience='5'	
CREATE DEFINER=`Peвизор`@`%` PROCEDURE `delete_employee`()  BEGIN  delete from employee  where id_employee=4;  END  add_scanner(name varchar(30),  Jобавляет сканнер в базу данных	where id_employee=1;	
PROCEDURE `delete_employee`()  BEGIN  delete from employee  where id_employee=4;  END  add_scanner(name varchar(30), Добавляет сканнер в базу данных	END	
BEGIN  delete from employee  where id_employee=4;  END  add_scanner(name varchar(30), Добавляет сканнер в базу данных	CREATE DEFINER=`Ревизор`@`%`	Удаляет сотрудника по
delete from employeedelete from employeewhere id_employee=4;ENDadd_scanner(name varchar(30),Добавляет сканнер в базу данных	PROCEDURE `delete_employee`()	идентификатору
where id_employee=4; END add_scanner(name varchar(30), Добавляет сканнер в базу данных	BEGIN	
END add_scanner(name varchar(30), Добавляет сканнер в базу данных	delete from employee	
add_scanner(name varchar(30), Добавляет сканнер в базу данных	where id_employee=4;	
	END	
operation_system(30), producer(30))	add_scanner(name varchar(30),	Добавляет сканнер в базу данных
	operation_system(30), producer(30))	

PROCEDURE 'scanner_producer'() BEGIN  update scanner set producer=Maxwell' where id_scanner=4; END  CREATE DEFINER='Pebh3op'@'%' PROCEDURE 'scanner_name'() BEGIN  update scanner set name='BPM' where id_scanner=5; END  CREATE DEFINER='Pebh3op'@'%' PROCEDURE 'scanner_operation_system'() BEGIN  update scanner set operation_system'() BEGIN  update scanner set operation_system=WAT' where id_scanner=1; END  CREATE DEFINER='Pebh3op'@'%' PROCEDURE 'scanner_operation_system=WAT' where id_scanner=1; END  CREATE DEFINER='Pebh3op'@'%' PROCEDURE 'delete_scanner'() BEGIN delete from scanner where id_scanner=2; END  CREATE DEFINER='root'@'%' PROCEDURE 'add_item'(name VARCHAR(30), amount int, trend VARCHAR(30), structure VARCHAR(30)) BEGIN insert into items values (name, amount, trend, colour, sex, structure); END  CREATE DEFINER='Pebh3op'@'%' PROCEDURE 'delete_item'()  Vyaanser tosap no идентификатору PROCEDURE 'delete_item'()	CREATE DEFINER=`Pевизор`@`%`	Изменяет производителя сканнера
update scanner set producer='Maxwell' where id_scanner=4; END  CREATE DEFINER='Pebusop'@'%' PROCEDURE 'scanner_name'() BEGIN update scanner set name='BPM' where id_scanner=5; END  CREATE DEFINER='Pebusop'@'%' PROCEDURE 'scanner_operation_system'() BEGIN update scanner set operation_system'() BEGIN update scanner set operation_system='WAT' where id_scanner=1; END  CREATE DEFINER='Pebusop'@'%' PROCEDURE 'delete_scanner'() BEGIN delete from scanner where id_scanner=2; END  CREATE DEFINER='root'@'%' PROCEDURE 'add_item'(name VARCHAR(30), amount int, trend VARCHAR(30), colour VARCHAR(30)) BEGIN insert into items values (name, amount, trend, colour, sex, structure); END  CREATE DEFINER='Pebusop'@'%' Vyaaner tobap no udehtuфикатору  Vyaaner tobap no udehtuфикатору	PROCEDURE `scanner_producer`()	
where id_scanner=4; END  CREATE DEFINER='Pebusop'@'%' PROCEDURE 'scanner_name'() BEGIN update scanner set name='BPM' where id_scanner=5; END  CREATE DEFINER='Pebusop'@'%' PROCEDURE 'scanner_operation_system'() BEGIN update scanner set operation_system'() BEGIN update scanner set operation_system='WAT' where id_scanner=1; END  CREATE DEFINER='Pebusop'@'%' PROCEDURE 'delete_scanner'() BEGIN delete from scanner where id_scanner=2; END  CREATE DEFINER='root'@'%' PROCEDURE 'add_item' (name VARCHAR(30), amount int, trend VARCHAR(30), structure VARCHAR(30)) BEGIN insert into items values (name, amount, trend, colour, sex, structure); END  CREATE DEFINER='Pebusop'@'%' Vyaaner tobap no udentruфикатору  Vyaaner tobap no udentruфикатору  Vyaaner tobap no udentruфикатору	BEGIN	
END  CREATE DEFINER='Pebusop'@'%' PROCEDURE 'scanner_name'() BEGIN update scanner set name='BPM' where id_scanner_operation_system'() BEGIN update scanner set operation_system'() BEGIN update scanner set operation_system'() BEGIN update scanner set operation_system'() BEGIN update scanner set operation_system='WAT' where id_scanner=1; END  CREATE DEFINER='Pebusop'@'%' PROCEDURE 'delete_scanner'() BEGIN delete from scanner where id_scanner=2; END  CREATE DEFINER='root'@'%' PROCEDURE 'add_item'(name VARCHAR(30), amount int, trend VARCHAR(30), colour VARCHAR(30), sex VARCHAR(30), structure VARCHAR(30)) BEGIN insert into items values (name, amount, trend, colour, sex, structure); END  CREATE DEFINER='Pebusop'@'%' VJannet tobap no udentudpukatopy  VJannet tobap no udentudpukatopy	update scanner set producer='Maxwell'	
RECEDURE 'scanner_name'()  BEGIN  update scanner set name='BPM'  where id_scanner_operation_system'()  BEGIN  update scanner set operation_system'()  BEGIN  update scanner set operation_system='WAT'  where id_scanner=1;  END  CREATE DEFINER='Pebu3op'@'%'  PROCEDURE 'scanner_operation_system='WAT'  where id_scanner=1;  END  CREATE DEFINER='Pebu3op'@'%'  PROCEDURE 'delete_scanner'()  BEGIN  delete from scanner  where id_scanner=2;  END  CREATE DEFINER='root'@'%' PROCEDURE     'add_item'(name VARCHAR(30), amount int, trend VARCHAR(30), colour VARCHAR(30), sex  VARCHAR(30), structure VARCHAR(30))  BEGIN  insert into items values (name, amount, trend, colour, sex, structure);  END  CREATE DEFINER='Pebu3op'@'%'  Vyaliber tobap no ujehtuфukatopy  Yjaliber tobap no ujehtuфukatopy	where id_scanner=4;	
PROCEDURE 'scanner_name'()  BEGIN  update scanner set name='BPM'  where id_scanner=5;  END  CREATE DEFINER='Pebusop'@'%'  PROCEDURE 'scanner_operation_system'()  BEGIN  update scanner set operation_system=WAT'  where id_scanner=1;  END  CREATE DEFINER='Pebusop'@'%'  PROCEDURE 'delete_scanner'()  BEGIN  delete from scanner  where id_scanner=2;  END  CREATE DEFINER='root'@'%' PROCEDURE  'add_item'(name VARCHAR(30), amount int, trend VARCHAR(30), structure VARCHAR(30))  BEGIN  insert into items values (name, amount, trend, colour, sex, structure);  END  CREATE DEFINER='Pebusop'@'%'  Vyaanert tobap b базу данных  VARCHAR(30), structure VARCHAR(30))  BEGIN  insert into items values (name, amount, trend, colour, sex, structure);  END  CREATE DEFINER='Pebusop'@'%'  Vyaanert tobap no идентификатору	END	
BEGIN update scanner set name='BPM' where id_scanner=5; END  CREATE DEFINER='Peвизор'@'%' PROCEDURE `scanner_operation_system`() BEGIN update scanner set operation_system='WAT' where id_scanner=1; END  CREATE DEFINER='Peвизор'@'%' PROCEDURE `delete_scanner'() BEGIN delete from scanner where id_scanner=2; END  CREATE DEFINER='root'@'%' PROCEDURE `add_item'(name VARCHAR(30), amount int, trend VARCHAR(30), colour VARCHAR(30)) BEGIN insert into items values (name, amount, trend, colour, sex, structure); END  CREATE DEFINER='Peвизор'@'%' Удаляет товар по идентификатору  Удаляет товар по идентификатору  Удаляет товар по идентификатору	CREATE DEFINER=`Ревизор`@`%`	Изменяет название сканнера
update scanner set name='BPM' where id_scanner=5; END  CREATE DEFINER='Peвизор'@'%' PROCEDURE 'scanner_operation_system'() BEGIN update scanner set operation_system='WAT' where id_scanner=1; END  CREATE DEFINER='Peвизор'@'%' PROCEDURE 'delete_scanner'() BEGIN delete from scanner where id_scanner=2; END  CREATE DEFINER='root'@'%' PROCEDURE 'add_item'(name VARCHAR(30), amount int, trend VARCHAR(30), colour VARCHAR(30)) BEGIN insert into items values (name, amount, trend, colour, sex, structure); END  CREATE DEFINER='Peвизор'@'%' Vyaanet товар по идентификатору	PROCEDURE `scanner_name`()	
where id_scanner=5; END  CREATE DEFINER=`Pebu3op`@`%` PROCEDURE `scanner_operation_system`() BEGIN update scanner set operation_system='WAT' where id_scanner=1; END  CREATE DEFINER=`Pebu3op`@`%` PROCEDURE `delete_scanner`() BEGIN delete from scanner where id_scanner=2; END  CREATE DEFINER=`root`@`%` PROCEDURE `add_item`(name VARCHAR(30), amount int, trend VARCHAR(30), structure VARCHAR(30)) BEGIN insert into items values (name, amount, trend, colour, sex, structure); END  CREATE DEFINER=`Pebu3op`@`%` Vyaaner tobap no ugentuфикатору  Vyaaner tobap no ugentuфикатору  Vyaaner tobap no ugentuфикатору	BEGIN	
END  CREATE DEFINER='Pebu3op'@'%' PROCEDURE 'scanner_operation_system'() BEGIN update scanner set operation_system='WAT' where id_scanner=1; END  CREATE DEFINER='Pebu3op'@'%' PROCEDURE 'delete_scanner'() BEGIN delete from scanner where id_scanner=2; END  CREATE DEFINER='root'@'%' PROCEDURE 'add_item'(name VARCHAR(30), amount int, trend VARCHAR(30), colour VARCHAR(30), sex VARCHAR(30), structure VARCHAR(30)) BEGIN insert into items values (name, amount, trend, colour, sex, structure); END  CREATE DEFINER='Pebu3op'@'%' Vyaaset tobap no uzentuфикатору  Vyaaset товар no uzentuфикатору  Vyaaset товар no uzentuфикатору  Vyaaset товар no uzentuфикатору	update scanner set name='BPM'	
CREATE DEFINER='Pebu3op'@'%' PROCEDURE 'scanner_operation_system'() BEGIN update scanner set operation_system='WAT' where id_scanner=1; END  CREATE DEFINER='Pebu3op'@'%' PROCEDURE 'delete_scanner'() BEGIN delete from scanner where id_scanner=2; END  CREATE DEFINER='root'@'%' PROCEDURE 'add_item'(name VARCHAR(30), amount int, trend VARCHAR(30), colour VARCHAR(30)) BEGIN insert into items values (name, amount, trend, colour, sex, structure); END  CREATE DEFINER='Pebu3op'@'%' Vyaasset tobap 10 идентификатору	where id_scanner=5;	
PROCEDURE `scanner_operation_system`()  BEGIN  update scanner set operation_system='WAT' where id_scanner=1; END  CREATE DEFINER=`Pebusop`@`%` PROCEDURE `delete_scanner`()  BEGIN  delete from scanner where id_scanner=2; END  CREATE DEFINER=`root`@`%` PROCEDURE `add_item`(name VARCHAR(30), amount int, trend VARCHAR(30), structure VARCHAR(30))  BEGIN insert into items values (name, amount, trend, colour, sex, structure); END  CREATE DEFINER=`Pebusop`@`%`  Vyaanser tobap no uzentuфикатору  Vyaanser tobap no uzentuфикатору  Vyaanser tobap no uzentuфикатору	END	
BEGIN  update scanner set operation_system='WAT' where id_scanner=1; END  CREATE DEFINER='Pebusop'@'%' PROCEDURE `delete_scanner'() BEGIN delete from scanner where id_scanner=2; END  CREATE DEFINER=`root'@'%' PROCEDURE `add_item`(name VARCHAR(30), amount int, trend VARCHAR(30), colour VARCHAR(30), sex VARCHAR(30), structure VARCHAR(30)) BEGIN insert into items values (name, amount, trend, colour, sex, structure); END  CREATE DEFINER=`Pebusop'@'%'  Vyaanøer tobap no идентификатору	CREATE DEFINER=`Ревизор`@`%`	Изменяет операционную систему
update scanner set operation_system='WAT' where id_scanner=1; END  CREATE DEFINER='Peвизор'@'%' PROCEDURE 'delete_scanner'() BEGIN delete from scanner where id_scanner=2; END  CREATE DEFINER='root'@'%' PROCEDURE 'add_item'(name VARCHAR(30), amount int, trend VARCHAR(30), colour VARCHAR(30)), sex VARCHAR(30), structure VARCHAR(30)) BEGIN insert into items values (name, amount, trend, colour, sex, structure); END  CREATE DEFINER='Pebизор'@'%' Vyaanser тobap по идентификатору	PROCEDURE `scanner_operation_system`()	сканнера
where id_scanner=1; END  CREATE DEFINER=`Pebu3op`@`%` PROCEDURE `delete_scanner`() BEGIN delete from scanner where id_scanner=2; END  CREATE DEFINER=`root`@`%` PROCEDURE `add_item`(name VARCHAR(30), amount int, trend VARCHAR(30), colour VARCHAR(30)), sex VARCHAR(30), structure VARCHAR(30)) BEGIN insert into items values (name, amount, trend, colour, sex, structure); END  CREATE DEFINER=`Pebu3op`@`%`  VARDHAR(30), VARCHAR(30)  BEGIN insert into items values (name, amount, trend, colour, sex, structure); END  CREATE DEFINER=`Pebu3op`@`%`  VARDHAR(30), VARDHAR(30)	BEGIN	
END  CREATE DEFINER=`Pebu3op`@`%` PROCEDURE `delete_scanner`() BEGIN delete from scanner where id_scanner=2; END  CREATE DEFINER=`root`@`%` PROCEDURE `add_item`(name VARCHAR(30), amount int, trend VARCHAR(30), colour VARCHAR(30), sex VARCHAR(30), structure VARCHAR(30)) BEGIN insert into items values (name, amount, trend, colour, sex, structure); END  CREATE DEFINER=`Pebu3op`@`%`  VARDHAR(30), VARDHAR(30)	update scanner set operation_system='WAT'	
CREATE DEFINER=`Pebu3op`@`%` PROCEDURE `delete_scanner`()  BEGIN  delete from scanner  where id_scanner=2;  END  CREATE DEFINER=`root`@`%` PROCEDURE  `add_item`(name VARCHAR(30), amount int, trend VARCHAR(30), colour VARCHAR(30), sex  VARCHAR(30), structure VARCHAR(30))  BEGIN  insert into items values (name, amount, trend, colour, sex, structure);  END  CREATE DEFINER=`Pebu3op`@`%`  VARDHAR(30), VARDHAR(30)  VARDHAR(30), VARDHAR(30), VARDHAR(30)  VARDHAR(30), VARDHAR(30), VARDHAR(30)  VARDHAR(30), VARDHAR(30), VARDHAR(30)  VARDHAR(30), VARDHAR(30), VARDHAR(30), VARDHAR(30)  VARDHAR(30), VARDHAR(30), VARDHAR(30), VARDHAR(30)  VARDHAR(30), VARDHAR(30), VARDHAR	where id_scanner=1;	
PROCEDURE `delete_scanner`()  BEGIN  delete from scanner  where id_scanner=2;  END  CREATE DEFINER=`root`@`%` PROCEDURE    `add_item`(name VARCHAR(30), amount int, trend VARCHAR(30), colour VARCHAR(30), sex  VARCHAR(30), structure VARCHAR(30))  BEGIN  insert into items values (name, amount, trend, colour, sex, structure);  END  CREATE DEFINER=`Pebu3op`@`%`  Удаляет товар по идентификатору	END	
BEGIN delete from scanner where id_scanner=2; END  CREATE DEFINER=`root`@`%` PROCEDURE `add_item`(name VARCHAR(30), amount int, trend VARCHAR(30), colour VARCHAR(30)), sex VARCHAR(30), structure VARCHAR(30)) BEGIN insert into items values (name, amount, trend, colour, sex, structure); END  CREATE DEFINER=`Pebu3op`@`%`  Удаляет товар по идентификатору	CREATE DEFINER=`Ревизор`@`%`	Удалить сканнер по идентификатору
delete from scanner where id_scanner=2; END  CREATE DEFINER=`root`@`%` PROCEDURE `add_item`(name VARCHAR(30), amount int, trend VARCHAR(30), colour VARCHAR(30), sex VARCHAR(30), structure VARCHAR(30)) BEGIN insert into items values (name, amount, trend, colour, sex, structure); END  CREATE DEFINER=`Pebu3op`@`%`  Удаляет товар по идентификатору	PROCEDURE `delete_scanner`()	
where id_scanner=2; END  CREATE DEFINER=`root`@`%` PROCEDURE    `add_item`(name VARCHAR(30), amount int, trend VARCHAR(30), colour VARCHAR(30), sex VARCHAR(30), structure VARCHAR(30))  BEGIN insert into items values (name, amount, trend, colour, sex, structure); END  CREATE DEFINER=`Pebusop`@`%`  Удаляет товар по идентификатору	BEGIN	
END  CREATE DEFINER=`root`@`%` PROCEDURE  `add_item`(name VARCHAR(30), amount int, trend  VARCHAR(30), colour VARCHAR(30), sex  VARCHAR(30), structure VARCHAR(30))  BEGIN  insert into items values (name, amount, trend, colour, sex, structure);  END  CREATE DEFINER=`Pebu3op`@`%`  Удаляет товар в базу данных  Удобавляет товар в базу данных  Удаляет товар в базу данных	delete from scanner	
CREATE DEFINER=`root`@`%` PROCEDURE  `add_item`(name VARCHAR(30), amount int, trend VARCHAR(30), colour VARCHAR(30), sex VARCHAR(30), structure VARCHAR(30))  BEGIN insert into items values (name, amount, trend, colour, sex, structure); END  CREATE DEFINER=`Pebu3op`@`%`  Удаляет товар по идентификатору	where id_scanner=2;	
`add_item`(name VARCHAR(30), amount int, trend VARCHAR(30), colour VARCHAR(30), sex VARCHAR(30), structure VARCHAR(30))  BEGIN insert into items values (name, amount, trend, colour, sex, structure);  END  CREATE DEFINER=`Peвизор`@`%`  Удаляет товар по идентификатору	END	
VARCHAR(30), colour VARCHAR(30), sex VARCHAR(30), structure VARCHAR(30))  BEGIN insert into items values (name, amount, trend, colour, sex, structure);  END  CREATE DEFINER=`Pebu3op`@`%`  Удаляет товар по идентификатору	CREATE DEFINER=`root`@`%` PROCEDURE	Добавляет товар в базу данных
VARCHAR(30), structure VARCHAR(30))  BEGIN insert into items values (name, amount, trend, colour, sex, structure); END  CREATE DEFINER=`Peвизор`@`%`  Удаляет товар по идентификатору	`add_item`(name VARCHAR(30), amount int, trend	
BEGIN insert into items values (name, amount, trend, colour, sex, structure); END  CREATE DEFINER=`Peвизор`@`%` Удаляет товар по идентификатору	VARCHAR(30), colour VARCHAR(30), sex	
insert into items values (name, amount, trend, colour, sex, structure); END  CREATE DEFINER=`Peвизор`@`%` Удаляет товар по идентификатору	VARCHAR(30), structure VARCHAR(30))	
colour, sex, structure); END  CREATE DEFINER=`Peвизор`@`%` Удаляет товар по идентификатору	BEGIN	
END  CREATE DEFINER=`Peвизор`@`%`  Удаляет товар по идентификатору	insert into items values (name, amount, trend,	
CREATE DEFINER='Peвизор'@'%' Удаляет товар по идентификатору	colour, sex, structure);	
	END	
PROCEDURE `delete_item`()	CREATE DEFINER=`Ревизор`@`%`	Удаляет товар по идентификатору
l l	PROCEDURE `delete_item`()	

BEGIN	
delete from items	
where id_item=6;	
END	
CREATE DEFINER=`Ревизор`@`%`	Изменяет название товара
PROCEDURE `item_name`()	
BEGIN	
update item set name='Валенок'	
Where id_item=5;	
END	
CREATE DEFINER=`Ревизор`@`%`	Изменяет направление товара
PROCEDURE `item_trend`()	
BEGIN	
update item set trend='Спорт'	
Where id_item=2;	
END	
CREATE DEFINER=`Ревизор`@`%`	Изменяет количество товара
PROCEDURE `item_amount`()	
BEGIN	
update item set amount='456'	
Where id_item=4;	
END	

# 4. Написать SQL-код создания пользователей.

1) Создание пользователя «Ревизор»

CREATE USER 'Peвизор'@'localhost' IDENTIFIED BY '1234567';

Присваиваем ему все права

GRANT ALL PRIVILEGES ON \* . \* ТО 'Ревизор'@'localhost';

2) Создание пользователя «Сотрудник»

CREATE USER 'Сотрудник'@'localhost' IDENTIFIED BY '1234567S';

Присваиваем ему все права

## GRANT ALL PRIVILEGES ON \* . \* ТО 'Сотрудник'@'localhost';

Проверяем получение прав администратора с помощью команды select user, host from user;

```
1 • select user, host from user;
2
```

