Министерство образования Республики Беларусь

Учреждение образования

БЕЛОРУССКИЙ ГОСУДАРСТВЕННЫЙ УНИВЕРСИТЕТ ИНФОРМАТИКИ И РАДИОЭЛЕКТРОНИКИ

КАФЕДРА ИНФОРМАТИКИ

Лабораторная работа № 2

**«14. Система по заказу блюд в ресторане»**

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Проверил

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1. **Управление пользователями**
   * **Создание**

select \* from mydb.human

where mydb.human.login = “\*”

select \* from mydb.name1

where mydb.name1.Name1 = “\*”

select \* from mydb.name2

where mydb.name2.Name2 = “\*”

select \* from mydb.name3

where mydb.name3.Name3 = “\*”

insert into mydb.name1

set name1.Name1 = “\*”

insert into mydb.name2

set name2.Name2 = “\*”

insert into mydb.name3

set name3.Name3 = “\*”

insert into mydb.human(mydb.human.Name1\_idName1, mydb.human.Name2\_idName2, mydb.human.Name3\_idName3,

mydb.human.active, mydb.human.login, mydb.human.password, mydb.human.role, mydb.human.status)

select name1.idName1, name2.idName2, name3.idName3, “\*”, “\*”, “\*”, “\*”, “\*” from(

(select idName1 from mydb.name1 order by mydb.name1.idName1 desc limit 1) as name1,

(select idName2 from mydb.name2 order by mydb.name2.idName2 desc limit 1) as name2,

(select idName3 from mydb.name3 order by mydb.name3.idName3 desc limit 1) as name3)

**Авторизация**

select \* from mydb.human where human.login = “\*” and human.password = “\*”

insert into mydb.jurnal

set mydb.jurnal.DateTime = NOW(),

mydb.jurnal.human\_id = “\*”

* + **Удаление**

delete from mydb.human where mydb.human.id = “\*”

**Изменение**

select \* from mydb.name1

where mydb.name1.Name1 = “\*”

select \* from mydb.name2

where mydb.name2.Name2 = “\*”

select \* from mydb.name3

where mydb.name3.Name3 = “\*”

insert into mydb.name1

set name1.Name1 = “\*”

insert into mydb.name2

set name2.Name2 = “\*”

insert into mydb.name3

set name3.Name3 = “\*”;

update mydb.human

set mydb.human.Name1\_idName1 = “\*”,

mydb.human.Name2\_idName2 = “\*”,

mydb.human.Name3\_idName3 = “\*”,

mydb.human.login = “\*”,

mydb.human.password =“\*”,

mydb.human.role = “\*”,

mydb.human.status =“\*”,

mydb.human.active = “\*”

where mydb.human.id = “\*”

* + **Блокировка на время**

update mydb.human " +

set mydb.human.status = 2 " +

where mydb.human.id = @id ;" +

CREATE EVENT IF NOT EXISTS mydb.qwe

ON SCHEDULE AT DATE\_ADD(NOW(),INTERVAL “\*” second)

DO

update mydb.human

set mydb.human.status = 1

where mydb.human.id = “\*”

* + **Поиск**

select h.id, n1.Name1, n2.Name2, n3.Name3, h.login, h.password, h.status, h.role, h.active

from mydb.human h

inner join mydb.name1 n1 on n1.idName1 = h.Name1\_idName1

inner join mydb.name2 n2 on n2.idName2 = h.Name2\_idName2

inner join mydb.name3 n3 on n3.idName3 = h.Name3\_idName3 where h.id is not null

and h.id = “\*”

and n1.Name1 = “\*”

and n2.Name2 = “\*”

and n3.Name3 = “\*”

and h.login = “\*”

and h.status = “\*”

and h.role = “\*”

}

1. **Триггеры**
   * **На вставку**

CREATE TRIGGER mydb.after\_insert\_item

AFTER INSERT ON mydb.human FOR EACH ROW

INSERT INTO mydb.insertlog

set mydb.insertlog.time = NOW(), mydb.insertlog.InsertLogText = 'insert', mydb.insertlog.new\_human\_id = NEW.id;

**На обновление**

CREATE TRIGGER mydb.t\_update

before update ON mydb.human FOR EACH ROW

INSERT INTO mydb.updatelog

set

mydb.updatelog.Name1\_idName1 = old.Name1\_idName1,

mydb.updatelog.Name2\_idName2 = old.Name2\_idName2,

mydb.updatelog.Name3\_idName3 = old.Name3\_idName3,

mydb.updatelog.login = old.login,

mydb.updatelog.password = old.password,

mydb.updatelog.role = old.role,

mydb.updatelog.status = old.status,

mydb.updatelog.time = NOW(),

mydb.updatelog.UpdateLogText = 'update',

mydb.updatelog.old\_human\_id = old.id,

mydb.updatelog.active = old.active

* + **На удаление**

CREATE TRIGGER mydb.before\_delete

before delete ON mydb.human FOR EACH ROW

INSERT INTO mydb.deletelog

set mydb.deletelog.DeleteLogText = 'delete', mydb.deletelog.time = NOW(), mydb.deletelog.human\_id = old.id;

* **Удаление триггера**

DROP TRIGGER IF EXISTS *trigger\_name*;