Министерство образования Республики Беларусь

Учреждение образования

БЕЛОРУССКИЙ ГОСУДАРСТВЕННЫЙ УНИВЕРСИТЕТ ИНФОРМАТИКИ И РАДИОЭЛЕКТРОНИКИ

КАФЕДРА ИНФОРМАТИКИ

Лабораторная работа № 4

**“14. Система по заказу блюд в ресторане”**

Выполнил студент гр. 753504

Карницкий В. С.

Проверил

Алексеев И.Г.

**Минск, 2020**

**Авторизация:**

drop procedure if exists mydb.proc\_login;

DELIMITER //

CREATE PROCEDURE mydb.proc\_login(IN log varchar(100), IN pass int)

BEGIN

declare is\_ok int;

set is\_ok = (select id from mydb.human where human.login = log and human.password = pass);

select \* from mydb.human where human.login = log and human.password = pass;

if is\_ok is not null then

insert into mydb.jurnal

set mydb.jurnal.DateTime = NOW(),

mydb.jurnal.human\_id = is\_ok;

end if;

END//

**Регистрация:**  
  
drop procedure if exists mydb.proc\_registration;

DELIMITER //

CREATE PROCEDURE mydb.proc\_registration(IN fn varchar(100),

IN ln varchar(100),

IN pat varchar(100),

IN act int,

IN log varchar(100),

IN pass int,

IN rol int,

IN status int)

BEGIN

declare is\_login int;

declare is\_fn int;

declare is\_ln int;

declare is\_pat int;

declare fin\_fn int;

declare fin\_ln int;

declare fin\_pat int;

set is\_login = (select mydb.human.id from mydb.human where mydb.human.login = log);

set is\_fn = (select mydb.name1.idName1 from mydb.name1 where mydb.name1.Name1 = fn);

set is\_ln = (select mydb.name2.idName2 from mydb.name2 where mydb.name2.Name2 = ln);

set is\_pat = (select mydb.name3.idName3 from mydb.name3 where mydb.name3.Name3 = pat);

if is\_fn is null then

insert into mydb.name1

set name1.Name1 = fn;

end if;

if is\_ln is null then

insert into mydb.name2

set name2.Name2 = ln;

end if;

if is\_pat is null then

insert into mydb.name3

set name3.Name3 = pat;

end if;

set fin\_fn = (select mydb.name1.idName1 from mydb.name1 where mydb.name1.Name1 = fn);

set fin\_ln = (select mydb.name2.idName2 from mydb.name2 where mydb.name2.Name2 = ln);

set fin\_pat = (select mydb.name3.idName3 from mydb.name3 where mydb.name3.Name3 = pat);

if is\_login is null then

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 fin\_fn, fin\_ln, fin\_pat, 2, log, pass, rol, 1;

end if;

END//

**Удаление**

drop procedure if exists mydb.proc\_delete;

DELIMITER //

CREATE PROCEDURE mydb.proc\_delete(IN id int)

BEGIN

delete from mydb.human where mydb.human.id = id;

END//

**Блокировка на время**

drop procedure if exists mydb.proc\_timeblock;

DELIMITER //

CREATE PROCEDURE mydb.proc\_timeblock(IN id int, in sec int)

BEGIN

update mydb.human

set mydb.human.status = 2 ,

mydb.human.blockedfrom = DATE\_ADD(NOW(),INTERVAL 0 second),

mydb.human.blockedtill = DATE\_ADD(NOW(),INTERVAL sec second)

where mydb.human.id = id ;

END//

**Поиск**

drop procedure if exists mydb.proc\_search;

DELIMITER //

CREATE PROCEDURE mydb.proc\_search(in id int,

IN fn varchar(100),

IN ln varchar(100),

IN pat varchar(100),

IN log varchar(100),

IN status varchar(100),

in rol varchar(100))

BEGIN

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 = id and n1.Name1 = fn and n2.Name2 = ln and n3.Name3 = pat

and h.login = log and h.status = status and h.role = rol;

END//

**Изменение**

drop procedure if exists mydb.proc\_update;

DELIMITER //

CREATE PROCEDURE mydb.proc\_update(in id int,

IN fn varchar(100),

IN ln varchar(100),

IN pat varchar(100),

IN act int,

IN log varchar(100),

IN pass int,

IN rol int,

IN status int)

BEGIN

declare is\_fn int;

declare is\_ln int;

declare is\_pat int;

declare fin\_fn int;

declare fin\_ln int;

declare fin\_pat int;

set is\_fn = (select mydb.name1.idName1 from mydb.name1 where mydb.name1.Name1 = fn);

set is\_ln = (select mydb.name2.idName2 from mydb.name2 where mydb.name2.Name2 = ln);

set is\_pat = (select mydb.name3.idName3 from mydb.name3 where mydb.name3.Name3 = pat);

if is\_fn is null then

insert into mydb.name1

set name1.Name1 = fn;

end if;

if is\_ln is null then

insert into mydb.name2

set name2.Name2 = ln;

end if;

if is\_pat is null then

insert into mydb.name3

set name3.Name3 = pat;

end if;

set fin\_fn = (select mydb.name1.idName1 from mydb.name1 where mydb.name1.Name1 = fn);

set fin\_ln = (select mydb.name2.idName2 from mydb.name2 where mydb.name2.Name2 = ln);

set fin\_pat = (select mydb.name3.idName3 from mydb.name3 where mydb.name3.Name3 = pat);

update mydb.human

set mydb.human.Name1\_idName1 = fin\_fn,

mydb.human.Name2\_idName2 = fin\_ln,

mydb.human.Name3\_idName3 = fin\_pat,

mydb.human.active = act,

mydb.human.login = log,

mydb.human.password = pass,

mydb.human.role = rol,

mydb.human.status = status

where mydb.human.id = id;

END//