Министерство образования Республики Беларусь

Учреждение образования

БЕЛОРУССКИЙ ГОСУДАРСТВЕННЫЙ УНИВЕРСИТЕТ ИНФОРМАТИКИ И РАДИОЭЛЕКТРОНИКИ

КАФЕДРА ИНФОРМАТИКИ

Лабораторная работа № 5

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

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1. **Просмотр всех записей пользователей**

drop procedure if exists mydb.proc\_refreshTable;

DELIMITER //

CREATE PROCEDURE mydb.proc\_refreshTable()

begin

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

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;

END//

1. **Добавление колледжа**

drop procedure if exists mydb.proc\_addCollege;

DELIMITER //

CREATE PROCEDURE mydb.proc\_addCollege(IN collegeName varchar(100), IN collegeAbr varchar(100))

BEGIN

declare is\_coll int;

set is\_coll = (select mydb.College.idCollege from mydb.College

where mydb.College.CollegeName = collegeName

and mydb.college.Abr = collegeAbr);

if is\_coll is null then

insert into mydb.College

set mydb.College.CollegeName = collegeName,

mydb.college.Abr = collegeAbr;

end if;

END//

1. **Просмотр всех записей в таблице должностей поворов**

drop procedure if exists mydb.proc\_refreshTableCook;

DELIMITER //

CREATE PROCEDURE mydb.proc\_refreshTableCook()

begin

select idCookType, CookType from mydb.cooktype;

END//

1. **Просмотр всех записей в таблице колледжей**

drop procedure if exists mydb.proc\_refreshTableColl;

DELIMITER //

CREATE PROCEDURE mydb.proc\_refreshTableColl()

begin

select idCollege, CollegeName, Abr from mydb.college;

END//

1. **Поиск должности повара**

drop procedure if exists mydb.proc\_search\_cooktype;

DELIMITER //

CREATE PROCEDURE mydb.proc\_search\_cooktype(IN ct varchar(100))

BEGIN

select idCookType, CookType from mydb.cooktype

where CookType = ct;

END//

1. **Поиск колледжа**

drop procedure if exists mydb.proc\_search\_college;

DELIMITER //

CREATE PROCEDURE mydb.proc\_search\_college(IN cn varchar(100), IN abr varchar(100))

BEGIN

select idCollege, CollegeName, Abr

from mydb.college

where CollegeName = cn and Abr = abr;

END//

1. **Добавление должности повара**

drop procedure if exists mydb.proc\_addCookType;

DELIMITER //

CREATE PROCEDURE mydb.proc\_addCookType(IN cookTypee varchar(100))

BEGIN

declare is\_cook int;

set is\_cook = (select mydb.cooktype.idCookType from mydb.cooktype

where mydb.cooktype.CookType = cookTypee);

if is\_cook is null then

insert into mydb.cooktype

set mydb.cooktype.CookType = cookTypee;

end if;

END//

1. **Редактирование данных коледжа**

drop procedure if exists mydb.proc\_updateCollege;

DELIMITER //

CREATE PROCEDURE mydb.proc\_updateCollege(in id int,IN cn varchar(100), IN ca varchar(100))

BEGIN

declare is\_c int;

set is\_c = (

select idCollege from mydb.college where CollegeName = cn and Abr = ca

);

if is\_c is null then

update mydb.college

set CollegeName = cn, Abr = ca

where idCollege = id;

end if;

END//

1. **Добавление повара в базу данных**

drop procedure if exists mydb.proc\_AddCook;

DELIMITER //

CREATE PROCEDURE mydb.proc\_AddCook(IN human varchar(100),

IN collName varchar(100),

IN collAbr varchar(100),

IN cookType varchar(100))

BEGIN

declare is\_human int;

declare is\_coll int;

declare is\_cookType int;

declare fin\_human int;

declare fin\_coll int;

declare fin\_cookType int;

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

set is\_coll = (select mydb.college.idCollege from mydb.college where CollegeName = collName and Abr = collAbr);

set is\_cookType = (select mydb.cooktype.idCookType from mydb.cooktype where mydb.cooktype.CookType = cookType);

if is\_human is not null then

if is\_coll is null then

insert into mydb.college

set CollegeName = collName, Abr = collAbr;

end if;

if is\_cookType is null then

insert into mydb.cooktype

set CookType = cookType;

end if;

set fin\_human = (select mydb.human.id from mydb.human where mydb.human.login = human);

set fin\_coll = (select mydb.college.idCollege from mydb.college where CollegeName = collName and Abr = collAbr);

set fin\_cookType = (select mydb.cooktype.idCookType from mydb.cooktype where mydb.cooktype.CookType = cookType);

insert into mydb.cook

set mydb.cook.CookType\_idCookType = fin\_cookType,

mydb.cook.College\_idCollege = fin\_coll,

mydb.cook.human\_id = fin\_human;

end if;

END//

1. **Просмотр всех поваров**

drop procedure if exists mydb.proc\_RefreshCooker;

DELIMITER //

CREATE PROCEDURE mydb.proc\_RefreshCooker()

BEGIN

select c.idCook, n1.Name1, n2.Name2, n3.Name3, h.login, ct.CookType, col.CollegeName, col.Abr

from mydb.Cook c

inner join mydb.human h on c.human\_id = h.id

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

inner join mydb.college col on col.idCollege = c.College\_idCollege

inner join mydb.cooktype ct on ct.idCookType = c.CookType\_idCookType;

END//

1. **Изменение данных о ингредиенте**

drop procedure if exists mydb.proc\_updateIngredient;

DELIMITER //

CREATE PROCEDURE mydb.proc\_updateIngredient(in id int, IN inn varchar(100),

IN it varchar(100))

BEGIN

declare is\_inn int;

declare is\_it int;

declare fin\_it int;

set is\_inn = (select mydb.ingredient.idIngredient from mydb.ingredient where mydb.ingredient.IngredientName = inn);

set is\_it = (select mydb.ingredienttype.idIngredientType from mydb.ingredienttype where mydb.ingredienttype.IngredientType = it);

if is\_inn is null then

if is\_it is null then

insert into mydb.ingredienttype

set ingredienttype.IngredientType = it;

end if;

set fin\_it = (select mydb.ingredienttype.idIngredientType from mydb.ingredienttype where mydb.ingredienttype.IngredientType = it);

update mydb.ingredient

set mydb.ingredient.IngredientType\_idIngredientType = fin\_it,

mydb.ingredient.IngredientName = inn

where mydb.ingredient.idIngredient = id;

end if;

END//

1. **Отправка повара на выходной с автоматическим изменением после истечения времени**

drop procedure if exists mydb.proc\_makeWeekend;

DELIMITER //

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

BEGIN

update mydb.cook

set mydb.cook.isWorkNow = 0 ,

mydb.cook.weekendsFrom = DATE\_ADD(NOW(),INTERVAL 0 second),

mydb.cook.weekendsTill = DATE\_ADD(NOW(),INTERVAL sec second)

where mydb.cook.idCook = id;

END//

1. **Поиск ингредиента**

drop procedure if exists mydb.proc\_searchIngredient;

DELIMITER //

CREATE PROCEDURE mydb.proc\_searchIngredient(IN inn varchar(100),

IN it varchar(100))

BEGIN

select i.idIngredient, i.IngredientName, it.IngredientType from mydb.ingredient i

inner join mydb.ingredienttype it on it.idIngredientType = i.IngredientType\_idIngredientType

where i.IngredientName = inn and it.IngredientType = it;

END//

1. **Добавление ингредиента в базу данных**

drop procedure if exists mydb.proc\_AddIngredient;

DELIMITER //

CREATE PROCEDURE mydb.proc\_AddIngredient(IN inn varchar(100),

IN it varchar(100))

BEGIN

declare is\_inn int;

declare is\_it int;

declare fin\_it int;

set is\_inn = (select mydb.ingredient.idIngredient from mydb.ingredient where mydb.ingredient.IngredientName = inn);

set is\_it = (select mydb.ingredienttype.idIngredientType from mydb.ingredienttype where mydb.ingredienttype.IngredientType = it);

if is\_inn is null then

if is\_it is null then

insert into mydb.ingredienttype

set mydb.ingredienttype.IngredientType = it;

end if;

set fin\_it = (select mydb.ingredienttype.idIngredientType from mydb.ingredienttype where mydb.ingredienttype.IngredientType = it);

insert into mydb.ingredient

set ingredient.IngredientType\_idIngredientType = fin\_it, ingredient.IngredientName = inn;

end if;

END//

1. **Просмотр списка ингредиентов**

drop procedure if exists mydb.proc\_RefreshIngredient;

DELIMITER //

CREATE PROCEDURE mydb.proc\_RefreshIngredient()

BEGIN

select i.idIngredient, i.IngredientName, it.IngredientType from mydb.ingredient i

inner join mydb.ingredienttype it on it.idIngredientType = i.IngredientType\_idIngredientType;

END//

1. **Поиск по повару**

drop procedure if exists mydb.proc\_SearchCooker;

DELIMITER //

CREATE PROCEDURE mydb.proc\_SearchCooker(IN log varchar(100),

IN cn varchar(100),

IN ca varchar(100),

IN ct varchar(100))

BEGIN

select c.idCook, n1.Name1, n2.Name2, n3.Name3, h.login, ct.CookType, col.CollegeName, col.Abr

from mydb.Cook c

inner join mydb.human h on c.human\_id = h.id

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

inner join mydb.college col on col.idCollege = c.College\_idCollege

inner join mydb.cooktype ct on ct.idCookType = c.CookType\_idCookType

where h.login = log and col.CollegeName = cn and col.Abr = ca and ct.CookType = ct;

END//

1. **Редактирование должности повара**

drop procedure if exists mydb.proc\_updateCookType;

DELIMITER //

CREATE PROCEDURE mydb.proc\_updateCookType(in id int,IN ct varchar(100))

BEGIN

declare is\_ct int;

set is\_ct = (

select idCookType from mydb.cooktype where CookType = ct

);

if is\_ct is null then

update mydb.cooktype

set CookType = ct

where idCookType = id;

end if;

END//