--- 10 лаба

--- 1 задание

use UNIVER;

declare SUBJECTS\_ISIT

cursor for

select SUBJECT\_T.SUBJECT\_T

from SUBJECT\_T

where SUBJECT\_T.PULPIT = 'ИСиТ';

declare @subject char(30), @subjects char(500) ='';

open SUBJECTS\_ISIT;

fetch SUBJECTS\_ISIT into @subject;

print 'Дисциплины на кафедре ИСиТ:';

while @@fetch\_STATUS = 0

begin

set @subjects = RTRIM(@subject) + ', ' + @subjects;

fetch SUBJECTS\_ISIT into @subject;

end;

print @subjects;

close SUBJECTS\_ISIT;

--- 2 задание

-- Локальный курсор

declare SUBJECTS\_ISIT\_local

cursor local for

select SUBJECT\_T.SUBJECT\_T

from SUBJECT\_T

where SUBJECT\_T.PULPIT = 'ИСиТ';

print 'Дисциплины кафедры ИСиТ:';

print 'Локальный курсор';

go

declare @subject char(30), @subjects char(500) ='';

open SUBJECTS\_ISIT\_local;

fetch SUBJECTS\_ISIT\_local into @subject;

while @@fetch\_STATUS = 0

begin

set @subjects = RTRIM(@subject) +', ' + @subjects;

fetch SUBJECTS\_ISIT\_local into @subject;

end;

print @subjects;

close SUBJECTS\_ISIT\_local;

go

-- Глобальный курсор

go

use UNIVER;

declare SUBJECTS\_ISIT\_global

cursor global for

select SUBJECT\_T.SUBJECT\_T

from SUBJECT\_T

where SUBJECT\_T.PULPIT = 'ИСиТ';

print 'Дисциплины на кафедре ИСиТ:';

print 'Глобальный курсор';

go

declare @subject char(30), @subjects char(500) ='';

open SUBJECTS\_ISIT\_global;

fetch SUBJECTS\_ISIT\_global into @subject;

while @@fetch\_STATUS = 0

begin

set @subjects = RTRIM(@subject) +', ' + @subjects;

fetch SUBJECTS\_ISIT\_global into @subject;

end;

print @subjects;

close SUBJECTS\_ISIT\_global;

go

--- 3 задание

-- Статический курсор

declare SUBJECTS\_ISIT\_static

cursor static for

select SUBJECT\_T.SUBJECT\_T

from SUBJECT\_T

where SUBJECT\_T.PULPIT = 'ИСиТ';

declare @subject char(30), @subjects char(500) ='';

open SUBJECTS\_ISIT\_static;

insert into SUBJECT\_T values('test', 'test', 'ИСиТ');

fetch SUBJECTS\_ISIT\_static into @subject;

print 'Дисциплины на кафедре ИСиТ:';

print 'Статический курсор';

while @@fetch\_STATUS = 0

begin

set @subjects = RTRIM(@subject) +', ' + @subjects;

fetch SUBJECTS\_ISIT\_static into @subject;

end;

print @subjects;

close SUBJECTS\_ISIT\_static;

delete SUBJECT\_T where SUBJECT\_NAME = 'test';

go

-- Динамический курсор

go

use UNIVER;

declare SUBJECTS\_ISIT\_dynamic cursor dynamic for

select SUBJECT\_T.SUBJECT\_T

from SUBJECT\_T

where SUBJECT\_T.PULPIT = 'ИСиТ';

declare @subject char(30), @subjects char(500) ='';

open SUBJECTS\_ISIT\_dynamic;

insert into SUBJECT\_T values('test', 'test', 'ИСиТ');

fetch SUBJECTS\_ISIT\_dynamic into @subject;

print 'Дисциплины на кафедре ИСиТ:';

print 'Динамический курсор';

while @@fetch\_STATUS = 0

begin

set @subjects = RTRIM(@subject) +', ' + @subjects;

fetch SUBJECTS\_ISIT\_dynamic into @subject;

end;

print @subjects;

close SUBJECTS\_ISIT\_dynamic;

delete SUBJECT\_T where SUBJECT\_T = 'test';

go

--- 4 задание

go

set nocount on;

use UNIVER;

declare SUBJECTS\_ISIT\_scroll cursor local dynamic SCROLL for

select

ROW\_NUMBER() over (order by SUBJECT\_T),

SUBJECT\_T.SUBJECT\_T

from SUBJECT\_T

where SUBJECT\_T.PULPIT = 'ИСиТ';

declare @subject char(30), @row int = 0;

open SUBJECTS\_ISIT\_scroll;

fetch SUBJECTS\_ISIT\_scroll into @row, @subject;

print 'Next line: [' + CAST(@row as varchar(4)) + '. ' + RTRIM(@subject) + ']';

fetch LAST from SUBJECTS\_ISIT\_scroll into @row, @subject;

print 'Last line: [' + CAST(@row as varchar(4)) + '. ' + RTRIM(@subject) + ']';

fetch RELATIVE -1 from SUBJECTS\_ISIT\_scroll into @row, @subject;

print 'Previous line: [' + CAST(@row as varchar(4)) + '. ' + RTRIM(@subject) + ']';

fetch ABSOLUTE 2 from SUBJECTS\_ISIT\_scroll into @row, @subject;

print 'Second line: [' + CAST(@row as varchar(4)) + '. ' + RTRIM(@subject) + ']';

fetch ABSOLUTE -2 from SUBJECTS\_ISIT\_scroll into @row, @subject;

print 'Second line from end: [' + CAST(@row as varchar(4)) + '. ' + RTRIM(@subject) + ']';

--- 5 задание

insert into SUBJECT\_T values('test1', 'test1', 'ИСиТ');

insert into SUBJECT\_T values('test2', 'test2', 'ИСиТ');

insert into SUBJECT\_T values('test3', 'test3', 'ИСиТ');

declare SUBJECTS\_ISIT\_currentof

cursor local dynamic for

select \*

from SUBJECT\_T

where SUBJECT\_T.PULPIT = 'ИСиТ' AND SUBJECT\_T LIKE 'test%'

for update;

declare @subject varchar(30), @subject\_name varchar(30), @pulpit varchar(30);

open SUBJECTS\_ISIT\_currentof;

fetch SUBJECTS\_ISIT\_currentof into @subject, @subject\_name, @pulpit;

print @subject + ' ' + @subject\_name + ' ' + @pulpit;

delete SUBJECT\_T where current of SUBJECTS\_ISIT\_currentof;

fetch SUBJECTS\_ISIT\_currentof into @subject, @subject\_name, @pulpit;

update SUBJECT\_T set SUBJECT\_T.SUBJECT\_T += '(upd)' where current of SUBJECTS\_ISIT\_currentof;

print @subject + ' ' + @subject\_name + ' ' + @pulpit;

close SUBJECTS\_ISIT\_currentof;

open SUBJECTS\_ISIT\_currentof;

while @@fetch\_STATUS = 0

begin

print @subject + ' ' + @subject\_name + ' ' + @pulpit;

fetch SUBJECTS\_ISIT\_currentof into @subject, @subject\_name, @pulpit;

end;

close SUBJECTS\_ISIT\_currentof;

--- 6 задание

go

declare @id varchar(10), @name varchar(100), @subj varchar(50), @note varchar(2);

declare PROGRESS\_delete\_cursor

cursor local dynamic for

select STUDENT.IDSTUDENT, STUDENT.NAME, PROGRESS.SUBJECT\_T, PROGRESS.NOTE

from PROGRESS JOIN STUDENT on PROGRESS.IDSTUDENT = STUDENT.IDSTUDENT

for update;

open PROGRESS\_delete\_cursor

fetch PROGRESS\_delete\_cursor into @id, @name, @subj, @note;

IF(@note < 4)

begin

delete PROGRESS where current of PROGRESS\_delete\_cursor;

end;

print @id + ' - ' + @name + ' - '+ RTRIM(@subj) + ' - ' + @note ;

while @@fetch\_STATUS = 0

begin

fetch PROGRESS\_delete\_cursor into @id, @name, @subj, @note;

print @id + ' - ' + @name + ' - '+ RTRIM(@subj) + ' - ' + @note ;

IF(@note < 4)

begin

delete PROGRESS where current of PROGRESS\_delete\_cursor;

end;

end;

close PROGRESS\_delete\_cursor;

open PROGRESS\_delete\_cursor;

fetch PROGRESS\_delete\_cursor into @id, @name, @subj, @note;

IF (@note <= 9)

update PROGRESS set NOTE += 1 where current of PROGRESS\_delete\_cursor;

while (@@fetch\_STATUS = 0)

begin

fetch PROGRESS\_delete\_cursor into @id, @name, @subj, @note;

print @id + ' - ' + @name + ' - '+ RTRIM(@subj) + ' - ' + @note ;

IF (@note <= 9)

begin

update PROGRESS set NOTE += 1 where current of PROGRESS\_delete\_cursor;

end;

end;

close PROGRESS\_delete\_cursor;\_\_