Cursor

--1--

use master

go

Declare @str varchar(20)

Declare Mycursor cursor

for select name from sys.databases where LEN(name) = 6

open Mycursor

Fetch next from Mycursor into @str

while @@FETCH\_STATUS=0

begin

Print 'BACKUP DATABASE ['+@str+'] TO DISK=''C:\Backup\eDate'+cast(getdate() as varchar)+'.bak'''

Fetch next from Mycursor into @str

end

close Mycursor

Deallocate Mycursor

go

--2--

use northwind

go

Declare @name varchar(20), @price int

Declare Mycursor cursor

for select ProductName, UnitPrice from Products order by UnitPrice desc

open Mycursor

Fetch next from Mycursor into @name, @price

while @@FETCH\_STATUS=0

begin

Print 'Product Name:'+@name+', Price:'+cast(@price as char(10))

Fetch next from Mycursor into @name, @price

end

close Mycursor

Deallocate Mycursor

go

--3--

use northwind

go

Declare @name varchar(20), @First varchar(20), @Family varchar(20)

Declare Mycursor cursor

for select contactname from customers

open Mycursor

Fetch next from Mycursor into @name

while @@FETCH\_STATUS=0

begin

set @First = substring(@name, 1, charindex(' ',@name))

set @Family = right(@name, charindex(' ',@name))

Print 'Contact Name:'+@name+' \*\*\*\*First: '+@First+' \*\*\*\*Family: '+@Family

Fetch next from Mycursor into @name

end

close Mycursor

Deallocate Mycursor

go

--4--

use northwind

go

DECLARE @EmpID INT,

@EmpFName VARCHAR(50),

@EmpLName VARCHAR(50),

@BirthDate datetime

Declare Mycursor cursor

for select EmployeeID, FirstName, LastName, BirthDate from Employees

open Mycursor

Fetch next from Mycursor INTO @EmpID, @EmpFName, @EmpLName, @BirthDate

while @@FETCH\_STATUS=0

begin

Print 'Employees Details: '+cast(@EmpID as varchar)+', '+ @EmpFName+', '+ @EmpLName+', '+ cast(@BirthDate as varchar)

waitfor delay '00:00:02'

Fetch next from Mycursor INTO @EmpID, @EmpFName, @EmpLName, @BirthDate

end

close Mycursor

Deallocate Mycursor

go

--all the changes made in the Dynamic cursor will reflect the Original data

--\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*dosn't work\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

DECLARE @EmpID INT,

@EmpFName VARCHAR(50),

@EmpLName VARCHAR(50),

@BirthDate datetime

-- SQL Dynamic Cursor Declaration

DECLARE dynamic\_employee\_cursor CURSOR

DYNAMIC FOR

SELECT EmployeeID, FirstName, LastName, BirthDate

FROM Employees

OPEN dynamic\_employee\_cursor

--insert just for first row

IF @@CURSOR\_ROWS >0

BEGIN

FETCH NEXT FROM dynamic\_employee\_cursor

INTO @EmpID, @EmpFName, @EmpLName, @BirthDate

WHILE @@FETCH\_STATUS = 0

BEGIN

Print 'Employees Details: '+cast(@EmpID as varchar)+', '+ @EmpFName+', '+ @EmpLName+', '+ cast(@BirthDate as varchar)

insert into employees (FirstName, lastname)

values ('mark', 'harrr')

FETCH NEXT FROM dynamic\_employee\_cursor

INTO @EmpID, @EmpFName, @EmpLName, @BirthDate

END

END

CLOSE dynamic\_employee\_cursor

DEALLOCATE dynamic\_employee\_cursor

SET NOCOUNT OFF

GO

select \*

from employees

where FirstName='mark'

--\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

--5--

select tbl.name as 'Table', c.name as 'Column Name', t.name as 'Type'

from sys.columns as c

inner join sys.tables as tbl

on tbl.object\_id = c.object\_id

inner join sys.types as t

on c.system\_type\_id = t.system\_type\_id

where t.name in ('datetime', 'date')

order by tbl.name

use northwind

go

DECLARE @TableName VARCHAR(50),

@ColName VARCHAR(50),

@Type VARCHAR(50)

Declare Mycursor cursor

for select tbl.name as 'Table', c.name as 'Column Name', t.name as 'Type'

from sys.columns as c

inner join sys.tables as tbl

on tbl.object\_id = c.object\_id

inner join sys.types as t

on c.system\_type\_id = t.system\_type\_id

where t.name in ('datetime', 'date')

order by tbl.name

open Mycursor

Fetch next from Mycursor INTO @TableName, @ColName, @Type

while @@FETCH\_STATUS=0

begin

Print 'Table Name: '+@TableName+', Column Name: '+ @ColName+', Data Type: '+ @Type

waitfor delay '00:00:02'

Fetch next from Mycursor INTO @TableName, @ColName, @Type

end

close Mycursor

Deallocate Mycursor

go

--6--

alter procedure table\_maker (@tableString varchar(1000))

as

begin

declare @id varchar(5), @idType varchar(10), @name varchar(10),

@nameType varchar(15), @address varchar(20), @addressType varchar(30), @tableString2 varchar(1000)

set @id = left(@tableString, charindex(',', @tableString)-1)

set @tableString = stuff(@tableString,1, (len(@id)+1),'')

set @idType = left(@tableString, charindex(',', @tableString)-1)

set @tableString = stuff(@tableString,1, (len(@idType)+1),'')

set @name = left(@tableString, charindex(',', @tableString)-1)

set @tableString = stuff(@tableString,1, (len(@name)+1),'')

set @nameType = left(@tableString, charindex(',', @tableString)-1)

set @tableString2 = stuff(@tableString,1, (len(@nameType)+1),'')

set @address = left(@tableString2, charindex(',', @tableString2)-1)

set @tableString2 = stuff(@tableString2,1, (len(@address)+1),'')

set @addressType = @tableString2

set @tableString = ''

set @tableString2 = ''

set @tableString = '

CREATE TABLE [dbo].[NewTable2]

('+

@id+' '+ @idType+', '+

@name+' '+ @nameType+', '

set @tableString2 =''+

@address+' '+ @addressType +

')'

set @tableString = @tableString+@tableString2

print @tableString

exec (@tableString)

end

exec table\_maker 'id,int,name,varchar(50),address,varchar(100)'