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MASV: 46.01.104.065

HO TEN CAC THANH VIEN NHOM:

1. Nguyễn Minh Huy

2. Phạm Nguyệt Anh

3. Trần Công Bình

4. Lê Thị Thanh Chúc

5. Nguyễn Đình Khoa

LAB: 04 - NHOM

NGAY: 25/03/2023

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create table SINHVIEN(

MASV NVARCHAR(20) PRIMARY KEY,

HOTEN NVARCHAR(100) NOT NULL,

NGAYSINH DATETIME,

DIACHI NVARCHAR(200),

MALOP VARCHAR(20),

TENDN NVARCHAR(100) NOT NULL,

MATKHAU varbinary(100) NOT NULL,

)

CREATE TABLE NHANVIEN (

MANV VARCHAR(20) PRIMARY KEY,

HOTEN NVARCHAR(100) NOT NULL,

EMAIL VARCHAR(20),

LUONG VARBINARY,

TENDN NVARCHAR(100) NOT NULL,

MATKHAU VARBINARY(100) NOT NULL,

PUBKEY VARCHAR(20)

)

CREATE TABLE LOP (

MALOP VARCHAR(20) PRIMARY KEY,

TENLOP NVARCHAR(100) NOT NULL,

MANV VARCHAR(20)

)

create table HOCPHAN(

MAHP VARCHAR(20) PRIMARY KEY,

TENHP NVARCHAR(100),

SOTC INT

)

CREATE TABLE BANGDIEM(

MASV NVARCHAR(20) FOREIGN KEY (MASV) REFERENCES SINHVIEN(MASV),

MAHP VARCHAR(20) FOREIGN KEY (MAHP) REFERENCES HOCPHAN(MAHP),

DIEMTHI VARBINARY(100)

)

create procedure SP\_SEL\_PUBLIC\_ENCRYPT\_NHANVIEN(

@TenDn nvarchar(100),

@MatKhau nvarchar(100)

)

as

begin

select MANV, HOTEN, EMAIL, convert(nvarchar(100), DECRYPTBYKEY(LUONG)) as LUONG from NHANVIEN

EXEC SP\_SEL\_PUBLIC\_ENCRYPT\_NHANVIEN @MANV, @MK

create symmetric key PUBPUB

create procedure SP\_INS\_PUBLIC\_ENCRYPT\_NHANVIEN (

@MaNV varchar(20),

@HoTen nvarchar(100),

@Email varchar(20),

@Luong nvarchar(100),

@TenDn nvarchar(100),

@MatKhau nvarchar(max),

@PubKey nVARCHAR(100)

)

as

begin

set NOCOUNT on;

open symmetric key DoanVanDuc

decryption by password = '01052001aA@';

insert into NHANVIEN values

(@MANV, @HOTEN, @EMAIL, CONVERT(varbinary(100),ENCRYPTBYKEY(KEY\_GUID(@PubKey),@LUONG)) , @TenDn, cast(HashBytes('SHA1', @MatKhau)as Varbinary(100)), @PubKey)

close symmetric key DoanVanDuc;

end

EXEC SP\_INS\_PUBLIC\_ENCRYPT\_NHANVIEN 'NV01', 'NGUYEN VAN A', 'NVA@', 'LLLLLL', 'NVA', 'MKMKMKMK', 'PUBPUB'

Graphical user interface, application

Description automatically generated

Graphical user interface, application

Description automatically generated

Graphical user interface

Description automatically generatedGraphical user interface, text, application, Word

Description automatically generated