

## QUẢN LÝ SINH VIÊN

```
create database MSTUDENT
```

```
create table KHOA (  
    makhoa char(4),  
    tenkhoa nvarchar(30),  
    namthanhlap int,  
    constraint PK_KHOA primary key (makhoa),  
    constraint UN_TENKHOA unique (tenkhoa)  
)
```

```
create table SINHVIEN (  
    masv int,  
    ten nvarchar(30),  
    nam int,  
    makhoa char(4),  
    constraint PK_SINHVIEN primary key (masv),  
    constraint CK_NAM check (nam > 0 and nam < 5),  
    constraint FK_SINHVIEN_KHOA foreign key (makhoa) references KHOA(makhoa)  
)
```

```
create table MONHOC (  
    mamh char(8),  
    tenmh nvarchar(30),  
    tinchi int,  
    makhoa char(4),  
    constraint PK_MONHOC primary key (mamh),  
    constraint UN_TENMH unique (tenmh),  
    constraint FK_MONHOC_KHOA foreign key (makhoa) references KHOA(makhoa)  
)
```

```
create table DIEUKIEN (  
    mamh char(8),  
    mamh_truoc char(8),  
    constraint FK_MH_MONHOC foreign key (mamh) references MONHOC(mamh),  
    constraint FK_MHTRUOC_MONHOC foreign key (mamh_truoc) references MONHOC(mamh)  
)
```

```
create table HOCPHAN (  
    mahp int,  
    hocky int,  
    nam int,  
    gv nvarchar(30),  
    mamh char(8),  
    constraint PK_HOCPHAN primary key (mahp),  
    constraint FK_HOCPHAN_MONHOC foreign key (mamh) references MONHOC(mamh)  
)
```

```

create table KETQUA (
    masv int,
    mahp int,
    diem float,
    constraint FK_KETQUA_SINHVIEN foreign key (masv) references SINHVIEN(masv),
    constraint FK_KETQUA_HOCPHAN foreign key (mahp) references HOCPHAN(mahp),
    constraint PK_KETQUA primary key (masv, mahp),
    constraint CK_DIEM check (diem >= 0 and diem <= 10)
)

```

```

insert into KHOA (makhoa, tenkhoa, namthanhlap)
values
('CNTT', 'Cong nghe thong tin', 1995),
('VL', 'Vat ly', 1976),
('TOAN', 'Toan', 1976)

```

```

insert into SINHVIEN (masv, ten, nam, makhoa)
values
(17, 'Son', 1, 'CNTT'),
(8, 'Bao', 2, 'CNTT'),
(5, 'Trang', 3, 'TOAN')

```

```

insert into MONHOC (mamh, tenmh, tinchi, makhoa)
values
('COSC1310', 'Nhap mon Tin hoc', 4, 'CNTT'),
('COSC3320', 'Cau truc du lieu', 4, 'CNTT'),
('MATH2410', 'Toan roi rac', 3, 'TOAN'),
('COSC3380', 'Co so du lieu', 3, 'CNTT'),
('PHYS3332', 'Vat ly dai cuong', 3, 'VL')

```

```

insert into DIEUKIEN (mamh, mamh_truoc)
values
('COSC3380', 'COSC3320'),
('COSC3380', 'MATH2410'),
('COSC3320', 'COSC1310')

```

```

insert into HOCPHAN (mahp, mamh, hocky, nam, gv)
values
(85, 'MATH2410', 1, 1996, 'Kim'),
(92, 'COSC1310', 1, 1996, 'An'),
(102, 'COSC3320', 2, 1997, 'Nhien'),
(112, 'MATH2410', 1, 1997, 'Van'),
(119, 'COSC1310', 1, 1997, 'An'),
(135, 'COSC3380', 1, 1997, 'Son')

```

```
insert into KETQUA (masv, mahp, diem)
values
(17, 102, 8),
(17, 119, 6),
(5, 85, 10),
(8, 92, 10),
(8, 102, 8),
(8, 135, 10)
```