

#1./* Table [dbo].[ChucvuSV] Script Date: 15/07/2025 2:52:29 PM *****/

SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

```
CREATE TABLE [dbo].[ChucvuSV](
    [MaCVSV] [nvarchar](10) NOT NULL,
    [ChucvuSV] [nvarchar](100) NOT NULL,
    [TT] [int] NULL,
    [Macdinh] [bit] NULL,
    CONSTRAINT [PK_ChucvuSV] PRIMARY KEY CLUSTERED
(
    [MaCVSV] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON, OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
```

```
ALTER TABLE [dbo].[ChucvuSV] ADD CONSTRAINT [DF_ChucvuSV_TT] DEFAULT (0)
FOR [TT]
GO
```

```
ALTER TABLE [dbo].[ChucvuSV] ADD CONSTRAINT [DF_ChucvuSV_Macdinh] DEFAULT
(0) FOR [Macdinh]
GO
```

#2./* Table [dbo].[CTDTLop] Script Date: 15/07/2025 2:53:47 PM *****/

SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

```
CREATE TABLE [dbo].[CTDTLop](
    [MaL] [nvarchar](10) NOT NULL,
    [MaHP] [nvarchar](10) NOT NULL,
```

```

[MaCN] [nvarchar](10) NOT NULL,
[MaHK] [nvarchar](10) NULL,
[Hocky] [int] NULL,
[Sotiet] [int] NULL,
[Sotinchi] [real] NULL,
[SotinchiLT] [real] NULL,
[SotinchiTH] [real] NULL,
[Dieukien] [bit] NULL,
[MaNHPTC] [nvarchar](10) NULL,
[Tienquyet] [nvarchar](200) NULL,
[Hoctruoc] [nvarchar](200) NULL,
[Songhanh] [nvarchar](200) NULL,
[Thaythe] [nvarchar](200) NULL,
[ID] [int] NULL,
[Khongtinhdien] [bit] NULL,
[Giaidoan2] [bit] NULL,
[KhongtinhdienHB] [bit] NULL,
[Khonghiendien] [bit] NULL,
[MasoHP] [nvarchar](20) NULL,
[DaybangtiengViet] [bit] NULL,
[KhongxetHocvu] [bit] NULL,
CONSTRAINT [PK__CTDTLop__1E505424] PRIMARY KEY CLUSTERED
(
    [MaL] ASC,
    [MaHP] ASC,
    [MaCN] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO

ALTER TABLE [dbo].[CTDTLop] ADD CONSTRAINT
[DF__CTDTLop__MaCN__1D5C2FEB] DEFAULT ('000') FOR [MaCN]
GO

ALTER TABLE [dbo].[CTDTLop] ADD CONSTRAINT [DF_CTDT_Dieukien] DEFAULT (0)
FOR [Dieukien]
GO

ALTER TABLE [dbo].[CTDTLop] ADD CONSTRAINT [DF_CTDTLop_ID] DEFAULT (0)
FOR [ID]
GO

ALTER TABLE [dbo].[CTDTLop] ADD CONSTRAINT
[DF__CTDTLop__Khongti__18977ACE] DEFAULT (0) FOR [Khongtinhdien]
GO

```

```
ALTER TABLE [dbo].[CTDTLop] ADD DEFAULT (0) FOR [Giaidoan2]
GO
```

```
ALTER TABLE [dbo].[CTDTLop] ADD DEFAULT (0) FOR [KhongtinhdienHB]
GO
```

```
ALTER TABLE [dbo].[CTDTLop] ADD DEFAULT (0) FOR [Khonghiendiem]
GO
```

```
ALTER TABLE [dbo].[CTDTLop] ADD DEFAULT ((0)) FOR [DaybangtiengViet]
GO
```

```
ALTER TABLE [dbo].[CTDTLop] ADD DEFAULT ((0)) FOR [KhongxetHocvu]
GO
```

```
ALTER TABLE [dbo].[CTDTLop] WITH NOCHECK ADD CONSTRAINT
[FK_CTDCT_Hocphan] FOREIGN KEY([MaHP])
REFERENCES [dbo].[Hocphan] ([MaHP])
ON UPDATE CASCADE
GO
```

```
ALTER TABLE [dbo].[CTDTLop] CHECK CONSTRAINT [FK_CTDCT_Hocphan]
GO
```

```
ALTER TABLE [dbo].[CTDTLop] WITH NOCHECK ADD CONSTRAINT
[FK_CTDCT_Lop] FOREIGN KEY([MaL])
REFERENCES [dbo].[Lop] ([MaL])
ON UPDATE CASCADE
GO
```

```
ALTER TABLE [dbo].[CTDTLop] CHECK CONSTRAINT [FK_CTDCT_Lop]
GO
```

```
ALTER TABLE [dbo].[CTDTLop] WITH NOCHECK ADD CONSTRAINT
[FK_CTDCT_NhomHPTC] FOREIGN KEY([MaNHPTC])
REFERENCES [dbo].[NhomHPTC] ([MaNHPTC])
ON UPDATE CASCADE
GO
```

```
ALTER TABLE [dbo].[CTDTLop] CHECK CONSTRAINT [FK_CTDCT_NhomHPTC]
GO
```

#3./* Table [dbo].[Dantoc] Script Date: 15/07/2025 2:54:31 PM *****/

SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

```
CREATE TABLE [dbo].[Dantoc](
    [MaDT] [nvarchar](10) NOT NULL,
    [Dantoc] [nvarchar](50) NOT NULL,
    [TT] [tinyint] NULL,
    [Macdinh] [bit] NOT NULL,
    CONSTRAINT [PK_Dantoc] PRIMARY KEY CLUSTERED
(
    [MaDT] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON, OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
```

```
ALTER TABLE [dbo].[Dantoc] ADD CONSTRAINT [DF_Dantoc_Macdinh] DEFAULT ((0))
FOR [Macdinh]
GO
```

#4./* Table [dbo].[db_DMhanhchinh_new] Script Date: 15/07/2025 2:55:08 PM *****/**Phát sinh mới */**

SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

```
CREATE TABLE [dbo].[db_DMhanhchinh_new](
    [MaXa] [nvarchar](10) NOT NULL,
    [TenXa] [nvarchar](100) NOT NULL,
    [Cap] [nvarchar](50) NULL,
    [MaTinh] [nvarchar](5) NOT NULL,
    [TenTinh] [nvarchar](50) NOT NULL,
    CONSTRAINT [PK_db_DMhanhchinh_new] PRIMARY KEY CLUSTERED
(
    [MaXa] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
```

```
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,  
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]  
) ON [PRIMARY]  
GO
```

#5./* Table [dbo].[db_s_tblAudittrail] Script Date: 15/07/2025

2:56:04 PM *******Phát sinh mới** */

```
SET ANSI_NULLS ON  
GO
```

```
SET QUOTED_IDENTIFIER ON  
GO
```

```
CREATE TABLE [dbo].[db_s_tblAudittrail](  
    [ID] [int] IDENTITY(1,1) NOT NULL,  
    [Times] [datetime] NULL,  
    [UserID] [nvarchar](20) NULL,  
    [UserLevel] [nvarchar](10) NULL,  
    [ComputerName] [nvarchar](50) NULL,  
    [Modul] [nvarchar](50) NULL,  
    [Action] [nvarchar](200) NULL,  
    CONSTRAINT [PK_db_s] PRIMARY KEY CLUSTERED  
(  
        [ID] ASC  
    )WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =  
    OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,  
    OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]  
) ON [PRIMARY]  
GO
```

#6./* Table [dbo].[DTCS] Script Date: 15/07/2025 2:57:10 PM

*****/

```
SET ANSI_NULLS ON  
GO
```

```
SET QUOTED_IDENTIFIER ON  
GO
```

```
CREATE TABLE [dbo].[DTCS](  
    [MaDTCS] [nvarchar](10) NOT NULL,
```

```

        [DTCS] [nvarchar](100) NOT NULL,
        [TT] [int] NULL,
        [Macdinh] [bit] NOT NULL,
        [DiemUT] [real] NULL,
CONSTRAINT [PK_DTCS] PRIMARY KEY CLUSTERED
(
        [MaDTCS] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO

```

```

ALTER TABLE [dbo].[DTCS] ADD CONSTRAINT [DF_DTCS_Macdinh] DEFAULT ((0))
FOR [Macdinh]
GO

```

#7./* Table [dbo].[KhoaHoc] Script Date: 15/07/2025 3:00:15
PM *****/

```

SET ANSI_NULLS ON
GO

```

```

SET QUOTED_IDENTIFIER ON
GO

```

```

CREATE TABLE [dbo].[KhoaHoc](
        [MaKH] [nvarchar](10) NOT NULL,
        [Khoahoc] [nvarchar](20) NULL,
        [NgayKG] [smalldatetime] NULL,
        [Soluong] [int] NULL,
        [HeDT] [nvarchar](5) NULL,
        [TenKH] [nvarchar](50) NULL,
        [Nam] [int] NULL,
        [Sothang] [int] NULL,
CONSTRAINT [PK_KhoaHoc] PRIMARY KEY CLUSTERED
(
        [MaKH] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO

```

#8./* Table [dbo].[t_NhatkyGV] Script Date: 15/07/2025
3:06:02 PM *****/

SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

```
CREATE TABLE [dbo].[t_NhatkyGV](
    [ID] [int] IDENTITY(1,1) NOT NULL,
    [Thoigian] [datetime] NULL,
    [MaGV] [nvarchar](10) NULL,
    [Congviec] [nvarchar](200) NULL,
    [Ghichu] [nvarchar](2000) NULL,
    PRIMARY KEY CLUSTERED
(
    [ID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
```

```
ALTER TABLE [dbo].[t_NhatkyGV] WITH CHECK ADD CONSTRAINT
[FK_t_NhatkyGV_Giaovien] FOREIGN KEY([MaGV])
REFERENCES [dbo].[Giaovien] ([MaGV])
ON UPDATE CASCADE
GO
```

```
ALTER TABLE [dbo].[t_NhatkyGV] CHECK CONSTRAINT [FK_t_NhatkyGV_Giaovien]
GO
```

#9./* Table [dbo].[Tongiao] Script Date: 15/07/2025 3:06:55
PM *****/

SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

```
CREATE TABLE [dbo].[Tongiao](
    [MaTG] [nvarchar](10) NOT NULL,
    [Tongiao] [nvarchar](15) NOT NULL,
    [TT] [tinyint] NULL,
```

```

        [Macdinh] [bit] NOT NULL,
CONSTRAINT [PK_TonGiao] PRIMARY KEY CLUSTERED
(
        [MaTG] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO

```

```

ALTER TABLE [dbo].[Tongiao] ADD CONSTRAINT [DF_TonGiao_Macdinh] DEFAULT (0)
FOR [Macdinh]
GO

```

#10./* Table [dbo].[TPGD] Script Date: 15/07/2025 3:07:43

PM ***/**

```

SET ANSI_NULLS ON
GO

```

```

SET QUOTED_IDENTIFIER ON
GO

```

```

CREATE TABLE [dbo].[TPGD](
        [MaTPGD] [nvarchar](10) NOT NULL,
        [TPGD] [nvarchar](20) NOT NULL,
        [TT] [int] NULL,
        [Macdinh] [bit] NOT NULL,
CONSTRAINT [PK_TPGD] PRIMARY KEY CLUSTERED
(
        [MaTPGD] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO

```

```

ALTER TABLE [dbo].[TPGD] ADD CONSTRAINT [DF_TPGD_Macdinh] DEFAULT (0) FOR
[Macdinh]
GO

```


#11./* Table [dbo].[TruongTHPT] Script Date: 15/07/2025
3:08:24 PM *****/

SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

```
CREATE TABLE [dbo].[TruongTHPT](
    [MaTHPT] [nvarchar](10) NOT NULL,
    [TruongTHPT] [nvarchar](200) NOT NULL,
    [Diachi] [nvarchar](200) NOT NULL,
    [Maso] [nvarchar](10) NOT NULL,
    [MaKV] [nvarchar](10) NULL,
    CONSTRAINT [PK__TruongTHPT__01F40C98] PRIMARY KEY CLUSTERED
(
    [MaTHPT] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
```

#12./* Table [dbo].[Khuvuc] Script Date: 15/07/2025 2:57:10
PM *****/

SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

```
CREATE TABLE [dbo].[Khuvuc](
    [MaKV] [nvarchar](10) NOT NULL,
    [Khuvuc] [nvarchar](100) NOT NULL,
    [TT] [int] NULL,
    [Macdinh] [bit] NOT NULL,
    [DiemUT] [real] NULL,
    CONSTRAINT [PK_Khuvuc] PRIMARY KEY CLUSTERED
(
    [MaKV] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
```

GO

```
ALTER TABLE [dbo].[Khuvuc] ADD CONSTRAINT [DF_Khuvuc_Macdin] DEFAULT ((0))  
FOR [Macdin]  
GO
```

#13./* Table [dbo].[Phongthi0]
6:18:36 AM ***** Thi giữa kỳ */

Script Date: 13/07/2025

```
SET ANSI_NULLS ON  
GO
```

```
SET QUOTED_IDENTIFIER ON  
GO
```

```
CREATE TABLE [dbo].[Phongthi0](  
    [MaPT0] [nvarchar](10) NOT NULL,  
    [Phongthi] [nvarchar](50) NULL,  
    [Ngay] [datetime] NULL,  
    [Gio] [int] NULL,  
    [Phut] [int] NULL,  
    [Thoigian] [int] NULL,  
    [Tiet] [int] NULL,  
    [Sotiet] [int] NULL,  
    [MaGV1] [nvarchar](10) NULL,  
    [MaGV2] [nvarchar](10) NULL,  
    [MaPH] [nvarchar](10) NULL,  
    [Ghichu] [nvarchar](100) NULL,  
    [MaGVCT] [nvarchar](10) NULL,  
    [MaKND] [int] NULL,  
    [MaCT] [nvarchar](10) NULL,  
    [LockND] [int] NULL,  
    [Nhapdiemtungay] [datetime] NULL,  
    [Nhapdiemdenngay] [datetime] NULL,  
    [Daxacnhan] [int] NULL,  
    [Dacongbo] [int] NULL,  
    [MaGVND] [nvarchar](10) NULL,  
    [Nopdethi] [int] NULL,  
    [Nhacnopedethi] [int] NULL,  
    [Thoigiannhacnopedethi] [datetime] NULL,  
    [Solannhacnopedethi] [int] NULL,  
    [Nopketqua] [int] NULL,  
    [Nhacnopaketa] [int] NULL,  
    [Thoigiannhacnopaketa] [datetime] NULL,
```

```

        [Solannhacnopketqua] [int] NULL,
        [Nhanbaithi] [int] NULL,
        [Nhacnhanbaithi] [int] NULL,
        [Thoigiannhacnhanbaithi] [datetime] NULL,
        [Solannhacnhanbaithi] [int] NULL,
CONSTRAINT [PK__Phongthi0__274FAE79] PRIMARY KEY CLUSTERED
(
    [MaPT0] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO

```

```

ALTER TABLE [dbo].[Phongthi0] ADD CONSTRAINT
[DF__Phongthi0__LockN__32E15CB6] DEFAULT (0) FOR [LockND]
GO

```

```

ALTER TABLE [dbo].[Phongthi0] ADD CONSTRAINT
[DF__Phongthi0__Daxac__33D580EF] DEFAULT (0) FOR [Daxacnhan]
GO

```

```

ALTER TABLE [dbo].[Phongthi0] ADD CONSTRAINT
[DF__Phongthi0__Dacon__34C9A528] DEFAULT (0) FOR [Dacongbo]
GO

```

```

ALTER TABLE [dbo].[Phongthi0] ADD CONSTRAINT
[DF__Phongthi0__Nopde__6C19DA12] DEFAULT (0) FOR [Nopdethi]
GO

```

```

ALTER TABLE [dbo].[Phongthi0] ADD CONSTRAINT
[DF__Phongthi0__Nhacn__6E022284] DEFAULT (0) FOR [Nhacnopdethi]
GO

```

```

ALTER TABLE [dbo].[Phongthi0] ADD CONSTRAINT
[DF__Phongthi0__Solan__161013DE] DEFAULT (0) FOR [Solannhacnopdethi]
GO

```

```

ALTER TABLE [dbo].[Phongthi0] ADD CONSTRAINT
[DF__Phongthi0__Nopke__6D0DFE4B] DEFAULT (0) FOR [Nopketqua]
GO

```

```

ALTER TABLE [dbo].[Phongthi0] ADD CONSTRAINT
[DF__Phongthi0__Nhacn__6EF646BD] DEFAULT (0) FOR [Nhacnopketqua]
GO

```

```

ALTER TABLE [dbo].[Phongthi0] ADD CONSTRAINT [DF__Phongthi0__Solan__17043817]
DEFAULT (0) FOR [Solannhacnopketqua]

```

GO

```
ALTER TABLE [dbo].[Phongthi0] ADD CONSTRAINT  
[DF__Phongthi0__Nhanb__1333A733] DEFAULT (0) FOR [Nhanbaithi]  
GO
```

```
ALTER TABLE [dbo].[Phongthi0] ADD CONSTRAINT  
[DF__Phongthi0__Nhacn__1427CB6C] DEFAULT (0) FOR [Nhacnhanbaithi]  
GO
```

```
ALTER TABLE [dbo].[Phongthi0] ADD CONSTRAINT  
[DF__Phongthi0__Solan__151BEFA5] DEFAULT (0) FOR [Solannhacnhanbaithi]  
GO
```

```
ALTER TABLE [dbo].[Phongthi0] WITH NOCHECK ADD CONSTRAINT  
[FK_Phongthi0_Phonghoc] FOREIGN KEY([MaPH])  
REFERENCES [dbo].[Phonghoc] ([MaPH])  
ON UPDATE CASCADE  
GO
```

```
ALTER TABLE [dbo].[Phongthi0] CHECK CONSTRAINT [FK_Phongthi0_Phonghoc]
```

#14./* Table [Phongthi1] Script Date: 13/07/2025 6:18:36 AM

***** Thi L1*/

```
SET ANSI_NULLS ON  
GO
```

```
SET QUOTED_IDENTIFIER ON  
GO
```

```
CREATE TABLE [dbo].[Phongthi1](  
    [MaPT1] [nvarchar](10) NOT NULL,  
    [Phongthi] [nvarchar](50) NULL,  
    [Ngay] [datetime] NULL,  
    [Gio] [int] NULL,  
    [Phut] [int] NULL,  
    [Thoigian] [int] NULL,  
    [Tiet] [int] NULL,  
    [Sotiet] [int] NULL,  
    [MaGV1] [nvarchar](10) NULL,  
    [MaGV2] [nvarchar](10) NULL,  
    [MaPH] [nvarchar](10) NULL,  
    [Ghichu] [nvarchar](100) NULL,  
    [MaGVCT] [nvarchar](10) NULL,
```

```

[MaKND] [int] NULL,
[MaCT] [nvarchar](10) NULL,
[LockND] [int] NULL,
[Nhapdiemtungay] [datetime] NULL,
[Nhapdiemdenngay] [datetime] NULL,
[Daxacnhan] [int] NULL,
[Dacongbo] [int] NULL,
[MaGVND] [nvarchar](10) NULL,
[Nopdethi] [int] NULL,
[Nhacnoppdethi] [int] NULL,
[Thoigiannhacnoppdethi] [datetime] NULL,
[Solannhacnoppdethi] [int] NULL,
[Nopketqua] [int] NULL,
[Nhacnoppketqua] [int] NULL,
[Thoigiannhacnoppketqua] [datetime] NULL,
[Solannhacnoppketqua] [int] NULL,
[Nhanbaithi] [int] NULL,
[Nhacnhanbaithi] [int] NULL,
[Thoigiannhacnhanbaithi] [datetime] NULL,
[Solannhacnhanbaithi] [int] NULL,
CONSTRAINT [PK__Phongthi1__274FAE79] PRIMARY KEY CLUSTERED
(
    [MaPT1] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO

```

```

ALTER TABLE [dbo].[Phongthi1] ADD CONSTRAINT
[DF__Phongthi1__LockN__32E15CB6] DEFAULT (0) FOR [LockND]
GO

```

```

ALTER TABLE [dbo].[Phongthi1] ADD CONSTRAINT
[DF__Phongthi1__Daxac__33D580EF] DEFAULT (0) FOR [Daxacnhan]
GO

```

```

ALTER TABLE [dbo].[Phongthi1] ADD CONSTRAINT
[DF__Phongthi1__Dacon__34C9A528] DEFAULT (0) FOR [Dacongbo]
GO

```

```

ALTER TABLE [dbo].[Phongthi1] ADD CONSTRAINT
[DF__Phongthi1__Nopde__6C19DA12] DEFAULT (0) FOR [Nopdethi]
GO

```

```

ALTER TABLE [dbo].[Phongthi1] ADD CONSTRAINT
[DF__Phongthi1__Nhacn__6E022284] DEFAULT (0) FOR [Nhacnoppdethi]
GO

```

```
ALTER TABLE [dbo].[Phongthi1] ADD CONSTRAINT  
[DF__Phongthi1__Solan__161013DE] DEFAULT (0) FOR [Solannhacnopdethi]  
GO
```

```
ALTER TABLE [dbo].[Phongthi1] ADD CONSTRAINT  
[DF__Phongthi1__Nopke__6D0DFE4B] DEFAULT (0) FOR [Nopketqua]  
GO
```

```
ALTER TABLE [dbo].[Phongthi1] ADD CONSTRAINT  
[DF__Phongthi1__Nhacn__6EF646BD] DEFAULT (0) FOR [Nhacnopketqua]  
GO
```

```
ALTER TABLE [dbo].[Phongthi1] ADD CONSTRAINT [DF__Phongthi1__Solan__17043817]  
DEFAULT (0) FOR [Solannhacnopketqua]  
GO
```

```
ALTER TABLE [dbo].[Phongthi1] ADD CONSTRAINT  
[DF__Phongthi1__Nhanb__1333A733] DEFAULT (0) FOR [Nhanbaithi]  
GO
```

```
ALTER TABLE [dbo].[Phongthi1] ADD CONSTRAINT  
[DF__Phongthi1__Nhacn__1427CB6C] DEFAULT (0) FOR [Nhacnhanbaithi]  
GO
```

```
ALTER TABLE [dbo].[Phongthi1] ADD CONSTRAINT  
[DF__Phongthi1__Solan__151BEFA5] DEFAULT (0) FOR [Solannhacnhanbaithi]  
GO
```

```
ALTER TABLE [dbo].[Phongthi1] WITH NOCHECK ADD CONSTRAINT  
[FK_Phongthi1_Phonghoc] FOREIGN KEY([MaPH])  
REFERENCES \[dbo\].\[Phonghoc\] \(\[MaPH\]\)  
ON UPDATE CASCADE  
GO
```

```
ALTER TABLE [dbo].[Phongthi1] CHECK CONSTRAINT [FK_Phongthi1_Phonghoc]
```

#15./* Table [Phongthi2] Script Date: 13/07/2025 6:19:45 AM

******* [Thi L2*](#)/**

```
SET ANSI_NULLS ON  
GO
```

```
SET QUOTED_IDENTIFIER ON  
GO
```

```

CREATE TABLE [dbo].[Phongthi2](
    [MaPT2] [nvarchar](10) NOT NULL,
    [Phongthi] [nvarchar](50) NULL,
    [Ngay] [datetime] NULL,
    [Gio] [int] NULL,
    [Phut] [int] NULL,
    [Thoigian] [int] NULL,
    [Tiet] [int] NULL,
    [Sotiet] [int] NULL,
    [MaGV1] [nvarchar](10) NULL,
    [MaGV2] [nvarchar](10) NULL,
    [MaPH] [nvarchar](10) NULL,
    [Ghichu] [nvarchar](100) NULL,
    [MaGVCT] [nvarchar](10) NULL,
    [MaKND] [int] NULL,
    [MaCT] [nvarchar](10) NULL,
    [LockND] [int] NULL,
    [Nhapdiemtungay] [datetime] NULL,
    [Nhapdiemdenngay] [datetime] NULL,
    [Daxacnhan] [int] NULL,
    [Dacongbo] [int] NULL,
    [MaGVND] [nvarchar](10) NULL,
    [Nopdethi] [int] NULL,
    [Nhacnopdethi] [int] NULL,
    [Thoigiannhacnopdethi] [datetime] NULL,
    [Solannhacnopdethi] [int] NULL,
    [Nopketqua] [int] NULL,
    [Nhacnopketqua] [int] NULL,
    [Thoigiannhacnopketqua] [datetime] NULL,
    [Solannhacnopketqua] [int] NULL,
    [Nhanbaithi] [int] NULL,
    [Nhacnhanbaithi] [int] NULL,
    [Thoigiannhacnhanbaithi] [datetime] NULL,
    [Solannhacnhanbaithi] [int] NULL,
    CONSTRAINT [PK__Phongthi2__2937F6EB] PRIMARY KEY CLUSTERED
(
    [MaPT2] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO

ALTER TABLE [dbo].[Phongthi2] ADD CONSTRAINT
[DF__Phongthi2__LockN__35BDC961] DEFAULT (0) FOR [LockND]
GO

```

```
ALTER TABLE [dbo].[Phongthi2] ADD CONSTRAINT  
[DF__Phongthi2__Daxac__36B1ED9A] DEFAULT (0) FOR [Daxacnhan]  
GO
```

```
ALTER TABLE [dbo].[Phongthi2] ADD CONSTRAINT  
[DF__Phongthi2__Dacon__37A611D3] DEFAULT (0) FOR [Dacongbo]  
GO
```

```
ALTER TABLE [dbo].[Phongthi2] ADD CONSTRAINT  
[DF__Phongthi2__Nopde__6FEA6AF6] DEFAULT (0) FOR [Nopdethi]  
GO
```

```
ALTER TABLE [dbo].[Phongthi2] ADD CONSTRAINT  
[DF__Phongthi2__Nhacn__71D2B368] DEFAULT (0) FOR [Nhacnopdethi]  
GO
```

```
ALTER TABLE [dbo].[Phongthi2] ADD CONSTRAINT  
[DF__Phongthi2__Solan__1AD4C8FB] DEFAULT (0) FOR [Solannhacnopdethi]  
GO
```

```
ALTER TABLE [dbo].[Phongthi2] ADD CONSTRAINT  
[DF__Phongthi2__Nopke__70DE8F2F] DEFAULT (0) FOR [Nopketqua]  
GO
```

```
ALTER TABLE [dbo].[Phongthi2] ADD CONSTRAINT  
[DF__Phongthi2__Nhacn__72C6D7A1] DEFAULT (0) FOR [Nhacnopketqua]  
GO
```

```
ALTER TABLE [dbo].[Phongthi2] ADD CONSTRAINT  
[DF__Phongthi2__Solan__1BC8ED34] DEFAULT (0) FOR [Solannhacnopketqua]  
GO
```

```
ALTER TABLE [dbo].[Phongthi2] ADD CONSTRAINT  
[DF__Phongthi2__Nhanb__17F85C50] DEFAULT (0) FOR [Nhanbaithi]  
GO
```

```
ALTER TABLE [dbo].[Phongthi2] ADD CONSTRAINT  
[DF__Phongthi2__Nhacn__18EC8089] DEFAULT (0) FOR [Nhacnhanbaithi]  
GO
```

```
ALTER TABLE [dbo].[Phongthi2] ADD CONSTRAINT  
[DF__Phongthi2__Solan__19E0A4C2] DEFAULT (0) FOR [Solannhacnhanbaithi]  
GO
```

```
ALTER TABLE [dbo].[Phongthi2] WITH NOCHECK ADD CONSTRAINT  
[FK_Phongthi2_Phonghoc] FOREIGN KEY([MaPH])  
REFERENCES \[dbo\].\[Phonghoc\] \(\[MaPH\]\)  
GO
```



```
ALTER TABLE [dbo].[Phongthi2] CHECK CONSTRAINT [FK_Phongthi2_Phonghoc]
GO
```

#16./* Table **[Giaovien]** Script Date: 05/07/2025 7:28:08 AM
*****/

```
SET ANSI_NULLS ON
GO
```

```
SET QUOTED_IDENTIFIER ON
GO
```

```
CREATE TABLE [dbo].[Giaovien](
    [MaGV] [nvarchar](10) NOT NULL,
    [Maso] [nvarchar](50) NULL,
    [Matkhau] [nvarchar](50) NULL,
    [TT] [int] NULL,
    [Holot] [nvarchar](100) NULL,
    [Ten] [nvarchar](50) NULL,
    [Hoten] [nvarchar](200) NULL,
    [Viettat] [nvarchar](50) NULL,
    [Ngaysinh] [datetime] NULL,
    [Noisinh] [nvarchar](200) NULL,
    [Gioitinh] [bit] NULL,
    [Nguyenquan] [nvarchar](200) NULL,
    [Hokhau] [nvarchar](200) NULL,
    [Diachi] [nvarchar](200) NULL,
    [Dienthoai] [nvarchar](100) NULL,
    [Email] [nvarchar](100) NULL,
    [Chuyennganh] [nvarchar](100) NULL,
    [MaDT] [nvarchar](10) NULL,
    [MaTG] [nvarchar](10) NULL,
    [MaHH] [nvarchar](10) NULL,
    [MaHV] [nvarchar](10) NULL,
    [MaDV] [nvarchar](10) NULL,
    [MaCV] [nvarchar](10) NULL,
    [MaDCS] [nvarchar](10) NULL,
    [MaTPGD] [nvarchar](10) NULL,
    [Pass] [nvarchar](50) NULL,
    [DoanTN] [nvarchar](12) NULL,
    [DangCS] [nvarchar](12) NULL,
    [DangCSCT] [nvarchar](50) NULL,
    [SoCMND] [nvarchar](50) NULL,
    [NgaycapCMND] [datetime] NULL,
```

```

[NoicapCMND] [nvarchar](100) NULL,
[Sotaikhoan] [nvarchar](200) NULL,
[Khenthuong] [nvarchar](50) NULL,
[Hinh_anh] [image] NULL,
[Ghichu] [nvarchar](200) NULL,
[ChangePass] [int] NULL,
[Coquancongtac] [nvarchar](200) NULL,
[Dangnhap] [int] NULL,
[Thongbao] [int] NULL,
[Nhapdiem] [int] NULL,
[GhichuTKGV] [nvarchar](200) NULL,
[MaQT] [nvarchar](10) NULL,
[isAdmin] [int] NULL,
[isXepTKB] [int] NULL,
[isKhaothi] [int] NULL,
[isHssv] [int] NULL,
[isTuyensinh] [int] NULL,
[isKetoan] [int] NULL,
[isVC] [int] NULL,
[MaUser] [nvarchar](10) NULL,
CONSTRAINT [PK_Giaovien] PRIMARY KEY CLUSTERED
(
    [MaGV] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY] TEXTIMAGE_ON [PRIMARY]
GO

ALTER TABLE [dbo].[Giaovien] ADD CONSTRAINT [DF_Giaovien_TT] DEFAULT (0) FOR
[TT]
GO

ALTER TABLE [dbo].[Giaovien] ADD CONSTRAINT [DF_Giaovien_ChangePass]
DEFAULT (1) FOR [ChangePass]
GO

ALTER TABLE [dbo].[Giaovien] ADD DEFAULT (1) FOR [Dangnhap]
GO

ALTER TABLE [dbo].[Giaovien] WITH NOCHECK ADD CONSTRAINT
[FK_Giaovien_Chinhsach] FOREIGN KEY([MaDCS])
REFERENCES [dbo].[Chinhsach] ([MaDCS])
ON UPDATE CASCADE
GO

ALTER TABLE [dbo].[Giaovien] CHECK CONSTRAINT [FK_Giaovien_Chinhsach]
GO

```

```
ALTER TABLE [dbo].[Giaovien] WITH NOCHECK ADD CONSTRAINT  
[FK_Giaovien_Chucvu] FOREIGN KEY([MaCV])  
REFERENCES [dbo].[Chucvu] ([MaCV])  
ON UPDATE CASCADE  
GO
```

```
ALTER TABLE [dbo].[Giaovien] CHECK CONSTRAINT [FK_Giaovien_Chucvu]  
GO
```

```
ALTER TABLE [dbo].[Giaovien] WITH NOCHECK ADD CONSTRAINT  
[FK_Giaovien_Dantoc] FOREIGN KEY([MaDT])  
REFERENCES [dbo].[Dantoc] ([MaDT])  
ON UPDATE CASCADE  
GO
```

```
ALTER TABLE [dbo].[Giaovien] CHECK CONSTRAINT [FK_Giaovien_Dantoc]  
GO
```

```
ALTER TABLE [dbo].[Giaovien] WITH NOCHECK ADD CONSTRAINT  
[FK_Giaovien_Donvi] FOREIGN KEY([MaDV])  
REFERENCES [dbo].[Donvi] ([MaDV])  
ON UPDATE CASCADE  
GO
```

```
ALTER TABLE [dbo].[Giaovien] CHECK CONSTRAINT [FK_Giaovien_Donvi]  
GO
```

```
ALTER TABLE [dbo].[Giaovien] WITH NOCHECK ADD CONSTRAINT  
[FK_Giaovien_Hocham] FOREIGN KEY([MaHH])  
REFERENCES [dbo].[Hocham] ([MaHH])  
ON UPDATE CASCADE  
GO
```

```
ALTER TABLE [dbo].[Giaovien] CHECK CONSTRAINT [FK_Giaovien_Hocham]  
GO
```

```
ALTER TABLE [dbo].[Giaovien] WITH NOCHECK ADD CONSTRAINT  
[FK_Giaovien_Hocvi] FOREIGN KEY([MaHV])  
REFERENCES [dbo].[Hocvi] ([MaHV])  
ON UPDATE CASCADE  
GO
```

```
ALTER TABLE [dbo].[Giaovien] CHECK CONSTRAINT [FK_Giaovien_Hocvi]  
GO
```

```
ALTER TABLE [dbo].[Giaovien] WITH CHECK ADD CONSTRAINT  
[FK_GiaoVien_Quoctich] FOREIGN KEY([MaQT])
```

```
REFERENCES [dbo].[Quoctich] ([MaQT])
ON UPDATE CASCADE
GO
```

```
ALTER TABLE [dbo].[Giaovien] CHECK CONSTRAINT [FK_GiaoVien_Quoctich]
GO
```

```
ALTER TABLE [dbo].[Giaovien] WITH NOCHECK ADD CONSTRAINT
[FK_Giaovien_TonGiao] FOREIGN KEY([MaTG])
REFERENCES [dbo].[Tongiao] ([MaTG])
ON UPDATE CASCADE
GO
```

```
ALTER TABLE [dbo].[Giaovien] CHECK CONSTRAINT [FK_Giaovien_TonGiao]
GO
```

```
ALTER TABLE [dbo].[Giaovien] WITH NOCHECK ADD CONSTRAINT
[FK_Giaovien_TPGD] FOREIGN KEY([MaTPGD])
REFERENCES [dbo].[TPGD] ([MaTPGD])
ON UPDATE CASCADE
GO
```

```
ALTER TABLE [dbo].[Giaovien] CHECK CONSTRAINT [FK_Giaovien_TPGD]
GO
```

#17./* Table [Phonghoc] Script Date: 27/06/2025 10:15:39 AM

*******/**

```
SET ANSI_NULLS ON
GO
```

```
SET QUOTED_IDENTIFIER ON
GO
```

```
CREATE TABLE [dbo].[Phonghoc](
    [MaPH] [nvarchar](10) NOT NULL,
    [Tenphong] [nvarchar](50) NOT NULL,
    [Socho] [int] NULL,
    [Ghichu] [nvarchar](100) NULL,
    [MaLP] [nvarchar](10) NULL,
    [MaNP] [nvarchar](10) NULL,
    CONSTRAINT [PK_Phonghoc] PRIMARY KEY CLUSTERED
(
    [MaPH] ASC
```

```
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON, OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
```

```
ALTER TABLE [dbo].[Phonghoc] WITH CHECK ADD CONSTRAINT
[FK_Phonghoc_Loaiphong] FOREIGN KEY([MaLP])
REFERENCES [dbo].[Loaiphong] ([MaLP])
ON UPDATE CASCADE
GO
```

```
ALTER TABLE [dbo].[Phonghoc] CHECK CONSTRAINT [FK_Phonghoc_Loaiphong]
GO
```

```
ALTER TABLE [dbo].[Phonghoc] WITH CHECK ADD CONSTRAINT
[FK_Phonghoc_Nhomphong] FOREIGN KEY([MaNP])
REFERENCES [dbo].[Nhomphong] ([MaNP])
ON UPDATE CASCADE
GO
```

```
ALTER TABLE [dbo].[Phonghoc] CHECK CONSTRAINT [FK_Phonghoc_Nhomphong]
GO
```

#18./* Table [Donvi] Script Date: 27/06/2025 10:16:17 AM

*****/

```
SET ANSI_NULLS ON
GO
```

```
SET QUOTED_IDENTIFIER ON
GO
```

```
CREATE TABLE [dbo].[Donvi](
    [MaDV] [nvarchar](10) NOT NULL,
    [Donvi] [nvarchar](50) NULL,
    [Diachi] [nvarchar](200) NULL,
    [Dienthoai] [nvarchar](100) NULL,
    [MaDVcha] [nvarchar](50) NULL,
    [MaDVgoc] [nvarchar](50) NULL,
    [Daotao] [bit] NULL,
    [Viettat] [nvarchar](20) NULL
CONSTRAINT [PK_Donvi] PRIMARY KEY CLUSTERED
(
    [MaDV] ASC

```

```
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
```

```
ALTER TABLE [dbo].[Donvi] ADD CONSTRAINT [DF_Donvi_Daotao] DEFAULT (1) FOR
[Daotao]
GO
```

#19./* Table [[Hocphan](#)] Script Date: 27/06/2025 10:16:44 AM
*****/

```
SET ANSI_NULLS ON
GO
```

```
SET QUOTED_IDENTIFIER ON
GO
```

```
CREATE TABLE [dbo].[Hocphan](
    [MaHP] [nvarchar](10) NOT NULL,
    [Hocphan] [nvarchar](200) NOT NULL,
    [Viettat] [nvarchar](100) NOT NULL,
    [MaLoaiHP] [nvarchar](10) NULL,
    [Maso] [nvarchar](20) NULL,
    [HocphanEN] [nvarchar](200) NULL,
    [ViettatEN] [nvarchar](100) NULL,
    [HocphanVN] [nvarchar](200) NULL,
    [ViettatVN] [nvarchar](100) NULL,
    [MaGVs] [nvarchar](500) NULL,
    [MaDV] [nvarchar](10) NULL,
    [HienthiHocphan] [int] NULL,
    CONSTRAINT [PK_MonHoc] PRIMARY KEY CLUSTERED
(
    [MaHP] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO

ALTER TABLE [dbo].[Hocphan] WITH NOCHECK ADD CONSTRAINT
[FK_Hocphan_LoaiHocphan] FOREIGN KEY([MaLoaiHP])
REFERENCES [dbo].[LoaiHocphan] ([MaLoaiHP])
ON UPDATE CASCADE
GO
```

```
ALTER TABLE [dbo].[Hocphan] CHECK CONSTRAINT [FK_Hocphan_LoaiHocphan]
GO
```

#20./* Table [Hocky] Script Date: 27/06/2025 10:17:22 AM
*****/

```
SET ANSI_NULLS ON
GO
```

```
SET QUOTED_IDENTIFIER ON
GO
```

```
CREATE TABLE [dbo].[Hocky](
    [MaHK] [nvarchar](10) NOT NULL,
    [Hocky] [nvarchar](50) NULL,
    [Ngaybatdau] [datetime] NULL,
    [Sotuan] [int] NULL,
    [Ngayketthuc] [datetime] NULL,
    [DkKehoach_tu] [datetime] NULL,
    [DkKehoach_den] [datetime] NULL,
    [DkHoclai_tu] [datetime] NULL,
    [DkHoclai_den] [datetime] NULL,
    [DkHoccaithien_tu] [datetime] NULL,
    [DkHoccaithien_den] [datetime] NULL,
    [DkTudo_tu] [datetime] NULL,
    [DkTudo_den] [datetime] NULL,
    [Dangkyhoc] [int] NULL,
    [NgaybatdauT] [datetime] NULL,
    [SotuanT] [int] NULL,
    [NgayketthucT] [datetime] NULL,
    [DkKehoach_tuT] [datetime] NULL,
    [DkKehoach_denT] [datetime] NULL,
    [DkHoclai_tuT] [datetime] NULL,
    [DkHoclai_denT] [datetime] NULL,
    [DkHoccaithien_tuT] [datetime] NULL,
    [DkHoccaithien_denT] [datetime] NULL,
    [DkTudo_tuT] [datetime] NULL,
    [DkTudo_denT] [datetime] NULL,
    [DangkyhocT] [int] NULL,
    [NgaybatdauB] [datetime] NULL,
    [SotuanB] [int] NULL,
    [NgayketthucB] [datetime] NULL,
    [DkKehoach_tuB] [datetime] NULL,
    [DkKehoach_denB] [datetime] NULL,
    [DkHoclai_tuB] [datetime] NULL,
```

```

[DkHoclai_denB] [datetime] NULL,
[DkHoccaithien_tuB] [datetime] NULL,
[DkHoccaithien_denB] [datetime] NULL,
[DkTudo_tuB] [datetime] NULL,
[DkTudo_denB] [datetime] NULL,
[DangkyhocB] [int] NULL,
[NgaybatdauM] [datetime] NULL,
[SotuanM] [int] NULL,
[NgayketthucM] [datetime] NULL,
[DkKehoach_tuM] [datetime] NULL,
[DkKehoach_denM] [datetime] NULL,
[DkHoclai_tuM] [datetime] NULL,
[DkHoclai_denM] [datetime] NULL,
[DkHoccaithien_tuM] [datetime] NULL,
[DkHoccaithien_denM] [datetime] NULL,
[DkTudo_tuM] [datetime] NULL,
[DkTudo_denM] [datetime] NULL,
[DangkyhocM] [int] NULL,
[NgaybatdauP] [datetime] NULL,
[SotuanP] [int] NULL,
[NgayketthucP] [datetime] NULL,
[DkKehoach_tuP] [datetime] NULL,
[DkKehoach_denP] [datetime] NULL,
[DkHoclai_tuP] [datetime] NULL,
[DkHoclai_denP] [datetime] NULL,
[DkHoccaithien_tuP] [datetime] NULL,
[DkHoccaithien_denP] [datetime] NULL,
[DkTudo_tuP] [datetime] NULL,
[DkTudo_denP] [datetime] NULL,
[DangkyhocP] [int] NULL,
[NgaybatdauD] [datetime] NULL,
[SotuanD] [int] NULL,
[NgayketthucD] [datetime] NULL,
[DkKehoach_tuD] [datetime] NULL,
[DkKehoach_denD] [datetime] NULL,
[DkHoclai_tuD] [datetime] NULL,
[DkHoclai_denD] [datetime] NULL,
[DkHoccaithien_tuD] [datetime] NULL,
[DkHoccaithien_denD] [datetime] NULL,
[DkTudo_tuD] [datetime] NULL,
[DkTudo_denD] [datetime] NULL,
[DangkyhocD] [int] NULL,
CONSTRAINT [PK_Hocky] PRIMARY KEY CLUSTERED
(
    [MaHK] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]

```



```
) ON [PRIMARY]
GO
```

```
ALTER TABLE [dbo].[Hocky] ADD CONSTRAINT [DF_Hocky_Dangdangky] DEFAULT (0)
FOR [Dangkyhoc]
GO
```

#21./* Table **[Lop]** Script Date: 27/06/2025 10:17:57 AM *******/**

```
SET ANSI_NULLS ON
GO
```

```
SET QUOTED_IDENTIFIER ON
GO
```

```
CREATE TABLE [dbo].[Lop](
    [MaL] [nvarchar](10) NOT NULL,
    [Tenlop] [nvarchar](50) NULL,
    [GVCN] [nvarchar](50) NULL,
    [TT] [tinyint] NULL,
    [Lock] [bit] NULL,
    [MaNG] [nvarchar](10) NULL,
    [Ma_L] [nvarchar](50) NULL,
    [MaGV] [nvarchar](10) NULL,
    [Soluong] [int] NULL,
    [Tuyensinh] [bit] NULL,
    [DangkyCN] [int] NULL,
    [DieukienTNs] [nvarchar](100) NULL,
    [Khoahoc] [nvarchar](50) NULL,
    [Hidden] [bit] NULL,
    CONSTRAINT [PK_Lop] PRIMARY KEY CLUSTERED
(
    [MaL] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
```

```
ALTER TABLE [dbo].[Lop] ADD CONSTRAINT [DF_Lop_Soluong] DEFAULT (0) FOR
[Soluong]
GO
```

```
ALTER TABLE [dbo].[Lop] ADD CONSTRAINT [DF_Lop_Tuyensinh] DEFAULT (0) FOR
[Tuyensinh]
GO
```

```
ALTER TABLE [dbo].[Lop] ADD DEFAULT (0) FOR [DangkyCN]
GO
```

```
ALTER TABLE [dbo].[Lop] ADD DEFAULT ((0)) FOR [Hidden]
GO
```

```
ALTER TABLE [dbo].[Lop] WITH NOCHECK ADD CONSTRAINT [FK_Lop_NganhHoc]
FOREIGN KEY([MaNG])
REFERENCES [dbo].[Nganhhoc] ([MaNG])
ON UPDATE CASCADE
GO
```

```
ALTER TABLE [dbo].[Lop] CHECK CONSTRAINT [FK_Lop_NganhHoc]
GO
```

#22./* Table **[TKB]** Script Date: 27/06/2025 10:19:43 AM

*****/

```
SET ANSI_NULLS ON
GO
```

```
SET QUOTED_IDENTIFIER ON
GO
```

```
CREATE TABLE [dbo].[TKB](
    [MaLHP] [nvarchar](12) NOT NULL,
    [Ngay] [datetime] NOT NULL,
    [Tiet] [int] NOT NULL,
    [MaPH] [nvarchar](10) NULL,
    [Sotiet] [int] NULL,
    [Bui] [int] NULL,
    [Ghichu] [nvarchar](100) NULL,
    [Hieuluc] [bit] NULL,
    [MaGV] [nvarchar](10) NULL,
    [LoaiLop] [int] NULL,
    CONSTRAINT [PK_TKB] PRIMARY KEY CLUSTERED
(
    [MaLHP] ASC,
    [Ngay] ASC,
    [Tiet] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
```

```
ALTER TABLE [dbo].[TKB] ADD DEFAULT (1) FOR [Hieuluc]
GO
```

```
ALTER TABLE [dbo].[TKB] WITH NOCHECK ADD CONSTRAINT [FK_TKB_LopHP]
FOREIGN KEY([MaLHP])
REFERENCES [dbo].[LopHP] ([MaLHP])
ON UPDATE CASCADE
GO
```

```
ALTER TABLE [dbo].[TKB] CHECK CONSTRAINT [FK_TKB_LopHP]
GO
```

```
ALTER TABLE [dbo].[TKB] WITH NOCHECK ADD CONSTRAINT [FK_TKB_Phonghoc]
FOREIGN KEY([MaPH])
REFERENCES [dbo].[Phonghoc] ([MaPH])
ON UPDATE CASCADE
GO
```

```
ALTER TABLE [dbo].[TKB] CHECK CONSTRAINT [FK_TKB_Phonghoc]
GO
```

#23./* Table [Chucvu] Script Date: 27/06/2025 10:22:01 AM
*****/

```
SET ANSI_NULLS ON
GO
```

```
SET QUOTED_IDENTIFIER ON
GO
```

```
CREATE TABLE [dbo].[Chucvu](
    [MaCV] [nvarchar](10) NOT NULL,
    [Chucvu] [nvarchar](100) NOT NULL,
    [TT] [int] NULL,
    [Macdinh] [bit] NULL,
    CONSTRAINT [PK_Chucvu] PRIMARY KEY CLUSTERED
(
    [MaCV] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
```

```
ALTER TABLE [dbo].[Chucvu] ADD CONSTRAINT [DF_Chucvu_TT] DEFAULT (0) FOR  
[TT]  
GO
```

```
ALTER TABLE [dbo].[Chucvu] ADD CONSTRAINT [DF_Chucvu_Macdinh] DEFAULT (0)  
FOR [Macdinh]  
GO
```

#24./* Table [db_LogWebapp] Script Date: 17/07/2025
3:08:57 PM *** Phát sinh mới */**

```
SET ANSI_NULLS ON  
GO
```

```
SET QUOTED_IDENTIFIER ON  
GO
```

```
CREATE TABLE [dbo].[db_LogWebapp](  
    [ID] [int] IDENTITY(1,1) NOT NULL,  
    [Thoigian] [datetime] NULL,  
    [MaUser] [nvarchar](10) NULL,  
    [Cuaso] [nvarchar](100) NULL,  
    [Congviec] [nvarchar](200) NULL,  
    [Ghichu] [nvarchar](2000) NULL,  
    CONSTRAINT [PK_db_LogWebapp] PRIMARY KEY CLUSTERED  
(  
        [ID] ASC  
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =  
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,  
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]  
) ON [PRIMARY]
```

#25./* Table [LopHP] Script Date: 27/06/2025
10:19:00 AM ***/**

```
SET ANSI_NULLS ON  
GO
```

```
SET QUOTED_IDENTIFIER ON  
GO
```

```
CREATE TABLE [dbo].[LopHP](
```

[MaLHP] [nvarchar](12) NOT NULL,
[Tenlop] [nvarchar](100) NULL,
[MaDV] [nvarchar](10) NULL,
[MaLLHP] [nvarchar](10) NULL,
[MaHP] [nvarchar](10) NULL,
[MaGV] [nvarchar](10) NULL,
[MaHK] [nvarchar](10) NULL,
[MaNLHP] [nvarchar](10) NULL,
[Hocphi] [int] NULL,
[Soluong] [int] NULL,
[Dadangky] [int] NULL,
[TKB] [nvarchar](300) NULL,
[LockDK] [int] NULL,
[LockND] [int] NULL,
[L2] [bit] NULL,
[L3] [bit] NULL,
[MaKND] [int] NULL,
[MaCT1] [nvarchar](10) NULL,
[MaCT2] [nvarchar](10) NULL,
[MaCT3] [nvarchar](10) NULL,
[MaCT4] [nvarchar](10) NULL,
[Sonhom] [int] NULL,
[Tuantu] [bit] NULL,
[SoTC] [real] NULL,
[Tongsotiet] [int] NULL,
[Sotietuan] [int] NULL,
[Solanmin] [int] NULL,
[Solanmax] [int] NULL,
[MaLP] [nvarchar](10) NULL,
[NhapdiemKiemtra] [bit] NULL,
[NhapdiemThiL1] [bit] NULL,
[NhapdiemThiL2] [bit] NULL,
[Nhapdiemtungay] [datetime] NULL,
[Nhapdiemdenngay] [datetime] NULL,
[Tuanhoc] [nvarchar](100) NULL,
[NhapdiemKiemtraL1] [bit] NULL,
[NhapdiemKiemtraL2] [bit] NULL,
[Dongia] [int] NULL,
[Tonghocphi] [int] NULL,
[Daxacnhan] [int] NULL,
[Dacongbo] [int] NULL,
[MaPDGCK] [nvarchar](10) NULL,
[DanhgiatungayCK] [datetime] NULL,
[DanhgiadenngayCK] [datetime] NULL,
[LockDGCK] [int] NULL,
[GhichuDGCK] [nvarchar](200) NULL,
[MaPDGGK] [nvarchar](10) NULL,
[DanhgiatungayGK] [datetime] NULL,

```

[DanhgiadenngayGK] [datetime] NULL,
[LockDGGK] [int] NULL,
[GhichuDGGK] [nvarchar](200) NULL,
[MaHPTC] [nvarchar](10) NULL,
[MaGVs_Trogiang] [nvarchar](200) NULL,
[L4] [bit] NULL,
[L5] [bit] NULL,
[DaxacnhanL2] [int] NULL,
[DacongboL2] [int] NULL,
[Dangkyhochtungay] [datetime] NULL,
[Dangkyhocdenngay] [datetime] NULL,
[GuiFileNhapdiem] [bit] NULL,
[ThoigianGuiFileNhapdiem] [datetime] NULL,
[GDTCT] [int] NULL,
[LockDiemdanh] [int] NULL,
[LockXetthi] [int] NULL,
[MaLs] [nvarchar](500) NULL,
[MaL] [nvarchar](10) NULL,
CONSTRAINT [PK_LopHP] PRIMARY KEY CLUSTERED
(
    [MaLHP] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO

ALTER TABLE [dbo].[LopHP] ADD CONSTRAINT [DF_LopHP_Dangky] DEFAULT ((0))
FOR [Dadangky]
GO

ALTER TABLE [dbo].[LopHP] ADD CONSTRAINT [DF_LopHP_Lock] DEFAULT ((0)) FOR
[LockDK]
GO

ALTER TABLE [dbo].[LopHP] ADD CONSTRAINT [DF_LopHP_LockND] DEFAULT ((0))
FOR [LockND]
GO

ALTER TABLE [dbo].[LopHP] ADD CONSTRAINT [DF_LopHP_L2] DEFAULT ((0)) FOR
[L2]
GO

ALTER TABLE [dbo].[LopHP] ADD CONSTRAINT [DF_LopHP_L3] DEFAULT ((0)) FOR
[L3]
GO

```

```
ALTER TABLE [dbo].[LopHP] ADD CONSTRAINT [DF_LopHP_Tochucnhomthi] DEFAULT ((0)) FOR [Sonhom]
GO
```

```
ALTER TABLE [dbo].[LopHP] ADD CONSTRAINT [DF_LopHP_Trenxuong] DEFAULT ((1)) FOR [Tuantu]
GO
```

```
ALTER TABLE [dbo].[LopHP] ADD CONSTRAINT [DF_LopHP_NhapdiemKtra] DEFAULT ((0)) FOR [NhapdiemKiemtra]
GO
```

```
ALTER TABLE [dbo].[LopHP] ADD CONSTRAINT [DF_LopHP_NhapdiemThiL1] DEFAULT ((0)) FOR [NhapdiemThiL1]
GO
```

```
ALTER TABLE [dbo].[LopHP] ADD CONSTRAINT [DF_LopHP_NhapdiemThiL11] DEFAULT ((0)) FOR [NhapdiemThiL2]
GO
```

```
ALTER TABLE [dbo].[LopHP] ADD CONSTRAINT [DF__LopHP__NhapdiemK__14FBF414] DEFAULT ((0)) FOR [NhapdiemKiemtraL1]
GO
```

```
ALTER TABLE [dbo].[LopHP] ADD CONSTRAINT [DF__LopHP__NhapdiemK__15F0184D] DEFAULT ((0)) FOR [NhapdiemKiemtraL2]
GO
```

```
ALTER TABLE [dbo].[LopHP] ADD CONSTRAINT [DF__LopHP__Daxacnhan__30F91444] DEFAULT ((0)) FOR [Daxacnhan]
GO
```

```
ALTER TABLE [dbo].[LopHP] ADD CONSTRAINT [DF__LopHP__Dacongbo__31ED387D] DEFAULT ((0)) FOR [Dacongbo]
GO
```

```
ALTER TABLE [dbo].[LopHP] ADD CONSTRAINT [DF__LopHP__LockDG__5224FDE5] DEFAULT ((0)) FOR [LockDGCK]
GO
```

```
ALTER TABLE [dbo].[LopHP] ADD CONSTRAINT [DF__LopHP__LockDGGK__1D472152] DEFAULT ((0)) FOR [LockDGGK]
GO
```

```
ALTER TABLE [dbo].[LopHP] ADD CONSTRAINT [DF__LopHP__L4__7524215F] DEFAULT ((0)) FOR [L4]
GO
```

```
ALTER TABLE [dbo].[LopHP] ADD CONSTRAINT [DF__LopHP__L5__76184598]
DEFAULT ((0)) FOR [L5]
GO
```

```
ALTER TABLE [dbo].[LopHP] ADD CONSTRAINT [DF__LopHP__Daxacnhan__28A3C565]
DEFAULT ((0)) FOR [DaxacnhanL2]
GO
```

```
ALTER TABLE [dbo].[LopHP] ADD CONSTRAINT [DF__LopHP__DacongboL__2997E99E]
DEFAULT ((0)) FOR [DacongboL2]
GO
```

```
ALTER TABLE [dbo].[LopHP] ADD CONSTRAINT [DF__LopHP__GuiFileNh__416F732F]
DEFAULT ((0)) FOR [GuiFileNhaphdiem]
GO
```

```
ALTER TABLE [dbo].[LopHP] ADD CONSTRAINT [DF__LopHP__LockDiemd__5911F296]
DEFAULT ((0)) FOR [LockDiemdanh]
GO
```

```
ALTER TABLE [dbo].[LopHP] ADD CONSTRAINT [DF__LopHP__LockXetth__5A0616CF]
DEFAULT ((0)) FOR [LockXetthi]
GO
```

```
ALTER TABLE [dbo].[LopHP] WITH NOCHECK ADD CONSTRAINT
[FK_LopHP_Congthuc] FOREIGN KEY([MaCT1])
REFERENCES [dbo].[Congthuc1] ([MaCT1])
ON UPDATE CASCADE
GO
```

```
ALTER TABLE [dbo].[LopHP] CHECK CONSTRAINT [FK_LopHP_Congthuc]
GO
```

```
ALTER TABLE [dbo].[LopHP] WITH NOCHECK ADD CONSTRAINT
[FK_LopHP_Congthuc2] FOREIGN KEY([MaCT2])
REFERENCES [dbo].[Congthuc2] ([MaCT2])
ON UPDATE CASCADE
GO
```

```
ALTER TABLE [dbo].[LopHP] CHECK CONSTRAINT [FK_LopHP_Congthuc2]
GO
```

```
ALTER TABLE [dbo].[LopHP] WITH NOCHECK ADD CONSTRAINT
[FK_LopHP_Congthuc3] FOREIGN KEY([MaCT3])
REFERENCES [dbo].[Congthuc3] ([MaCT3])
ON UPDATE CASCADE
GO
```



```
ALTER TABLE [dbo].[LopHP] CHECK CONSTRAINT [FK_LopHP_Congthuc3]
GO
```

```
ALTER TABLE [dbo].[LopHP] WITH NOCHECK ADD CONSTRAINT
[FK_LopHP_Congthuc4] FOREIGN KEY([MaCT4])
REFERENCES [dbo].[Congthuc4] ([MaCT4])
ON UPDATE CASCADE
GO
```

```
ALTER TABLE [dbo].[LopHP] CHECK CONSTRAINT [FK_LopHP_Congthuc4]
GO
```

```
ALTER TABLE [dbo].[LopHP] WITH NOCHECK ADD CONSTRAINT [FK_LopHP_Donvi]
FOREIGN KEY([MaDV])
REFERENCES [dbo].[Donvi] ([MaDV])
ON UPDATE CASCADE
GO
```

```
ALTER TABLE [dbo].[LopHP] CHECK CONSTRAINT [FK_LopHP_Donvi]
GO
```

```
ALTER TABLE [dbo].[LopHP] WITH NOCHECK ADD CONSTRAINT [FK_LopHP_Hocphan]
FOREIGN KEY([MaHP])
REFERENCES [dbo].[Hocphan] ([MaHP])
ON UPDATE CASCADE
GO
```

```
ALTER TABLE [dbo].[LopHP] CHECK CONSTRAINT [FK_LopHP_Hocphan]
GO
```

```
ALTER TABLE [dbo].[LopHP] WITH NOCHECK ADD CONSTRAINT
[FK_LopHP_HocphiTinchi] FOREIGN KEY([MaHPTC])
REFERENCES [dbo].[HocphiTinchi] ([MaHPTC])
ON UPDATE CASCADE
GO
```

```
ALTER TABLE [dbo].[LopHP] CHECK CONSTRAINT [FK_LopHP_HocphiTinchi]
GO
```

```
ALTER TABLE [dbo].[LopHP] WITH NOCHECK ADD CONSTRAINT
[FK_LopHP_LoaiLopHP] FOREIGN KEY([MaLLHP])
REFERENCES [dbo].[LoaiLopHP] ([MaLLHP])
ON UPDATE CASCADE
GO
```

```
ALTER TABLE [dbo].[LopHP] CHECK CONSTRAINT [FK_LopHP_LoaiLopHP]
GO
```

```
ALTER TABLE [dbo].[LopHP] WITH NOCHECK ADD CONSTRAINT  
[FK_LopHP_Loaiphong] FOREIGN KEY([MaLP])  
REFERENCES [dbo].[Loaiphong] ([MaLP])  
GO
```

```
ALTER TABLE [dbo].[LopHP] CHECK CONSTRAINT [FK_LopHP_Loaiphong]  
GO
```

```
ALTER TABLE [dbo].[LopHP] WITH NOCHECK ADD CONSTRAINT  
[FK_LopHP_NhomLHP] FOREIGN KEY([MaNLHP])  
REFERENCES [dbo].[NhomLHP] ([MaNLHP])  
ON UPDATE CASCADE  
GO
```

```
ALTER TABLE [dbo].[LopHP] CHECK CONSTRAINT [FK_LopHP_NhomLHP]  
GO
```

```
ALTER TABLE [dbo].[LopHP] WITH NOCHECK ADD CONSTRAINT  
[FK_LopHP_PhieuDanhgia] FOREIGN KEY([MaPDGCK])  
REFERENCES [dbo].[PhieuDanhgia] ([MaPDG])  
ON UPDATE CASCADE  
GO
```

```
ALTER TABLE [dbo].[LopHP] CHECK CONSTRAINT [FK_LopHP_PhieuDanhgia]  
GO
```

#26./* Table **[dbo].[Hocphi]** **Script Date: 13/07/2025**
6:25:09 AM ***/**

```
SET ANSI_NULLS ON  
GO
```

```
SET QUOTED_IDENTIFIER ON  
GO
```

```
CREATE TABLE [dbo].[Hocphi](  
    [MaSV] [nvarchar](12) NOT NULL,  
    [MaHK] [nvarchar](10) NOT NULL,  
    [MaKT] [nvarchar](10) NOT NULL,  
    [Lan] [int] NOT NULL,  
    [TT] [int] NULL,  
    [Lydo] [nvarchar](500) NULL,  
    [SoCT] [int] NULL,  
    [Thue] [int] NULL,  
    [Sotien] [int] NULL,
```

```

[Sotienthu] [int] NULL,
[Ngaynop] [datetime] NULL,
[MaUser] [nvarchar](10) NULL,
[Ghichu] [nvarchar](50) NULL,
[MaLPT] [nvarchar](10) NULL,
[IDDST] [int] NULL,
[Hinhthucthanhtoan] [nvarchar](100) NULL,
[Lanthi] [int] NULL,
[ID] [int] IDENTITY(1,1) NOT NULL,
[MaKT01] [nvarchar](10) NULL,
[Sotienthu01] [int] NULL,
[MaKT02] [nvarchar](10) NULL,
[Sotienthu02] [int] NULL,
[MaKT03] [nvarchar](10) NULL,
[Sotienthu03] [int] NULL,
[MaKT04] [nvarchar](10) NULL,
[Sotienthu04] [int] NULL,
[MaKT05] [nvarchar](10) NULL,
[Sotienthu05] [int] NULL,
[Hoclai] [int] NULL,
CONSTRAINT [PK_Hocphi] PRIMARY KEY CLUSTERED
(
    [MaSV] ASC,
    [MaHK] ASC,
    [MaKT] ASC,
    [Lan] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO

```

```

ALTER TABLE [dbo].[Hocphi] WITH NOCHECK ADD CONSTRAINT
[FK_Hocphi_Loaphieuthu] FOREIGN KEY([MaLPT])
REFERENCES [dbo].[Loaphieuthu] ([MaLPT])
ON UPDATE CASCADE
GO

```

```

ALTER TABLE [dbo].[Hocphi] CHECK CONSTRAINT [FK_Hocphi_Loaphieuthu]
GO

```

```

ALTER TABLE [dbo].[Hocphi] WITH NOCHECK ADD CONSTRAINT [FK_Hocphi_Sinhvien]
FOREIGN KEY([MaSV])
REFERENCES [dbo].[Sinhvien] ([MaSV])
ON UPDATE CASCADE
GO

```

```

ALTER TABLE [dbo].[Hocphi] CHECK CONSTRAINT [FK_Hocphi_Sinhvien]

```

GO

```
ALTER TABLE [dbo].[Hocphi] WITH NOCHECK ADD CONSTRAINT [FK_Hocphi_Users]  
FOREIGN KEY([MaUser])  
REFERENCES [dbo].[Users] ([MaUser])  
ON UPDATE CASCADE  
GO
```

```
ALTER TABLE [dbo].[Hocphi] CHECK CONSTRAINT [FK_Hocphi_Users]  
GO
```

#27./* Table [dbo].[Loaiphieuthu] Script Date: 13/07/2025 6:27:13 AM ***/**

```
SET ANSI_NULLS ON  
GO
```

```
SET QUOTED_IDENTIFIER ON  
GO
```

```
CREATE TABLE [dbo].[Loaiphieuthu](  
    [MaLPT] [nvarchar](10) NOT NULL,  
    [Loaiphieuthu] [nvarchar](100) NOT NULL,  
    [Ghichu] [nvarchar](100) NULL,  
    CONSTRAINT [PK_Loaiphieuthu] PRIMARY KEY CLUSTERED  
(  
        [MaLPT] ASC  
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =  
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,  
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]  
) ON [PRIMARY]  
GO
```

#28./* Table [dbo].[Sinhvien] Script Date: 13/07/2025 6:29:18 AM ***/**

```
SET ANSI_NULLS ON  
GO
```

```
SET QUOTED_IDENTIFIER ON  
GO
```

```

CREATE TABLE [dbo].[Sinhvien](
    [MaSV] [nvarchar](12) NOT NULL,
    [Maso] [nvarchar](50) NULL,
    [Matkhau] [nvarchar](50) NULL,
    [TT] [int] NULL,
    [Holot] [nvarchar](50) NULL,
    [Ten] [nvarchar](20) NULL,
    [Tenthuonggoi] [nvarchar](50) NULL,
    [Ngaysinh1] [nvarchar](12) NULL,
    [Ngaysinh] [datetime] NULL,
    [Noisinh] [nvarchar](250) NULL,
    [Gioitinh] [bit] NULL,
    [Hokhau] [nvarchar](250) NULL,
    [Nguyenquan] [nvarchar](250) NULL,
    [MaHKdau] [nvarchar](10) NULL,
    [Diachi] [nvarchar](250) NULL,
    [Dienthoai] [nvarchar](250) NULL,
    [MaDT] [nvarchar](10) NULL,
    [MaTG] [nvarchar](10) NULL,
    [MaDTCS] [nvarchar](10) NULL,
    [MaKV] [nvarchar](10) NULL,
    [MaDCS] [nvarchar](10) NULL,
    [MaTPGD] [nvarchar](10) NULL,
    [MaDD] [nvarchar](10) NULL,
    [MaL] [nvarchar](10) NULL,
    [NgayDoanTN] [nvarchar](12) NULL,
    [NgayDangCS] [nvarchar](12) NULL,
    [NgayDangCSCT] [nvarchar](50) NULL,
    [Tuoidoi] [int] NULL,
    [Tuoidang] [int] NULL,
    [Tuoidoan] [int] NULL,
    [SoCMND] [nvarchar](50) NULL,
    [NgaycapCMND] [datetime] NULL,
    [NoicapCMND] [nvarchar](100) NULL,
    [Khenthuong] [nvarchar](50) NULL,
    [Sotaikhoan] [nvarchar](200) NULL,
    [Ghichu] [nvarchar](300) NULL,
    [Khoi] [nvarchar](5) NULL,
    [SBDThiDH] [nvarchar](10) NULL,
    [Mon1] [real] NULL,
    [Mon2] [real] NULL,
    [Mon3] [real] NULL,
    [Tong] [real] NULL,
    [Thuong] [real] NULL,
    [DiemUt] [real] NULL,
    [TrinhdoVH] [nvarchar](30) NULL,
    [Hinh_anh] [image] NULL,

```

[DiachiNoitru] [nvarchar](250) NULL,
[DiachiNgoaitru] [nvarchar](250) NULL,
[Ngaytamtru] [datetime] NULL,
[Hinhthuctamtru] [nvarchar](50) NULL,
[Diachitamtru] [nvarchar](250) NULL,
[Dienthoaitamtru] [nvarchar](250) NULL,
[Chunhatamtru] [nvarchar](250) NULL,
[Ghichutamtru] [nvarchar](250) NULL,
[HotenBo] [nvarchar](200) NULL,
[NghenghiepBo] [nvarchar](200) NULL,
[GhichuBo] [nvarchar](200) NULL,
[HotenMe] [nvarchar](200) NULL,
[NghenghiepMe] [nvarchar](200) NULL,
[GhichuMe] [nvarchar](200) NULL,
[Sovaoso] [nvarchar](50) NULL,
[Sohieu] [nvarchar](50) NULL,
[Nguoiky] [nvarchar](100) NULL,
[Ngayky] [datetime] NULL,
[QD] [nvarchar](50) NULL,
[NgaykyQD] [datetime] NULL,
[NguoikyQD] [nvarchar](50) NULL,
[Noilamviec] [nvarchar](250) NULL,
[Nhanxet] [nvarchar](200) NULL,
[Nguyenvong] [nvarchar](200) NULL,
[DTBTL] [real] NULL,
[DTBTLBon] [real] NULL,
[SotinchiTL] [real] NULL,
[DiemRLTL] [real] NULL,
[GhichuHV] [nvarchar](200) NULL,
[Totnghiep] [int] NULL,
[Hangtotnghiep] [nvarchar](50) NULL,
[ChangePass] [int] NULL,
[Email] [nvarchar](200) NULL,
[FId01] [nvarchar](250) NULL,
[FId02] [datetime] NULL,
[FId03] [int] NULL,
[FId04] [bit] NULL,
[Tinhtrang] [int] NULL,
[MaCNG] [nvarchar](10) NULL,
[TrinhdoNN] [nvarchar](50) NULL,
[Coquancongtac] [nvarchar](200) NULL,
[Chucvucongtac] [nvarchar](100) NULL,
[TruongdaotaoDH] [nvarchar](200) NULL,
[NganhdaotaoDH] [nvarchar](100) NULL,
[HedaotaoDH] [nvarchar](100) NULL,
[NamtotnghiepDH] [nvarchar](50) NULL,
[XeploaitotnghiepDH] [nvarchar](50) NULL,
[FId05] [nvarchar](250) NULL,

[FId06] [bit] NULL,
[QDTrungtuyen] [nvarchar](200) NULL,
[QDDetai] [nvarchar](200) NULL,
[NgayQDDetai] [datetime] NULL,
[TenDetai] [nvarchar](500) NULL,
[TenDetaiEN] [nvarchar](500) NULL,
[MaGVHD] [nvarchar](10) NULL,
[GhichuDetai] [nvarchar](200) NULL,
[BaoveLV] [int] NULL,
[GhichuBaoveLV] [nvarchar](200) NULL,
[MaQT] [nvarchar](10) NULL,
[MaHKTN] [nvarchar](10) NULL,
[MaQDTN] [nvarchar](10) NULL,
[GhichuDSTN] [nvarchar](200) NULL,
[Chuyennganh] [nvarchar](200) NULL,
[Dangnhap] [int] NULL,
[DkKehoach] [int] NULL,
[DkHoclai] [int] NULL,
[DkHoccaithien] [int] NULL,
[DkTudo] [int] NULL,
[GhichuTKSV] [nvarchar](200) NULL,
[Noibo] [bit] NULL,
[FId07] [nvarchar](250) NULL,
[FId08] [bit] NULL,
[FId09] [bit] NULL,
[GhichuDieukienTN] [nvarchar](200) NULL,
[HabacTN] [nvarchar](200) NULL,
[KLTN] [bit] NULL,
[GhichuKLTNXet] [nvarchar](200) NULL,
[GhichuKLTNDetai] [nvarchar](200) NULL,
[MaSVgoc] [nvarchar](12) NOT NULL,
[MaTS] [nvarchar](12) NULL,
[GhichuDangkyCN] [nvarchar](200) NULL,
[TruongdaotaoTHS] [nvarchar](200) NULL,
[NganhdaotaoTHS] [nvarchar](100) NULL,
[HedaotaoTHS] [nvarchar](100) NULL,
[NamtotnghiepTHS] [nvarchar](50) NULL,
[XeploaitotnghiepTHS] [nvarchar](50) NULL,
[MaTSXT] [nvarchar](12) NULL,
[FId10] [nvarchar](250) NULL,
[MaGVHD2] [nvarchar](10) NULL,
[BaoveLA] [int] NULL,
[GhichuBaoveLA] [nvarchar](200) NULL,
[FId11] [nvarchar](10) NULL,
[XeploaiTL] [nvarchar](50) NULL,
[SoHPThilai] [int] NULL,
[SolankLHabacXL] [int] NULL,
[GhichuTKTK] [nvarchar](200) NULL,

```

[DTB] [real] NULL,
[DTBBon] [real] NULL,
[Xeploai] [nvarchar](50) NULL,
[Miengiam] [real] NULL,
[Hocphithang] [int] NULL,
CONSTRAINT [PK_SinhVien] PRIMARY KEY CLUSTERED
(
    [MaSV] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY] TEXTIMAGE_ON [PRIMARY]
GO

```

```

ALTER TABLE [dbo].[Sinhvien] ADD CONSTRAINT [DF_Sinhvien_Totnghiep] DEFAULT
(0) FOR [Totnghiep]
GO

```

```

ALTER TABLE [dbo].[Sinhvien] ADD CONSTRAINT [DF_Sinhvien_ChangePass] DEFAULT
(1) FOR [ChangePass]
GO

```

```

ALTER TABLE [dbo].[Sinhvien] ADD CONSTRAINT [DF__Sinhvien__Tinhtr__16E43C86]
DEFAULT (0) FOR [Tinhtrang]
GO

```

```

ALTER TABLE [dbo].[Sinhvien] ADD CONSTRAINT [DF__Sinhvien__BaoveL__0D25C822]
DEFAULT (0) FOR [BaoveLV]
GO

```

```

ALTER TABLE [dbo].[Sinhvien] ADD CONSTRAINT [DF__Sinhvien__Dangnh__456A2145]
DEFAULT (1) FOR [Dangnhap]
GO

```

```

ALTER TABLE [dbo].[Sinhvien] ADD DEFAULT (0) FOR [KLTN]
GO

```

```

ALTER TABLE [dbo].[Sinhvien] ADD DEFAULT ((0)) FOR [BaoveLA]
GO

```

```

ALTER TABLE [dbo].[Sinhvien] WITH NOCHECK ADD CONSTRAINT
[FK_Sinhvien_Chinhsach] FOREIGN KEY([MaDCS])
REFERENCES [dbo].[Chinhsach] ([MaDCS])
ON UPDATE CASCADE
GO

```

```

ALTER TABLE [dbo].[Sinhvien] CHECK CONSTRAINT [FK_Sinhvien_Chinhsach]
GO

```



```
ALTER TABLE [dbo].[Sinhvien] WITH NOCHECK ADD CONSTRAINT  
[FK_Sinhvien_Dantoc] FOREIGN KEY([MaDT])  
REFERENCES [dbo].[Dantoc] ([MaDT])  
ON UPDATE CASCADE  
GO
```

```
ALTER TABLE [dbo].[Sinhvien] CHECK CONSTRAINT [FK_Sinhvien_Dantoc]  
GO
```

```
ALTER TABLE [dbo].[Sinhvien] WITH NOCHECK ADD CONSTRAINT  
[FK_Sinhvien_DTCS] FOREIGN KEY([MaDTCS])  
REFERENCES [dbo].[DTCS] ([MaDTCS])  
ON UPDATE CASCADE  
GO
```

```
ALTER TABLE [dbo].[Sinhvien] CHECK CONSTRAINT [FK_Sinhvien_DTCS]  
GO
```

```
ALTER TABLE [dbo].[Sinhvien] WITH NOCHECK ADD CONSTRAINT  
[FK_Sinhvien_Khuvuc] FOREIGN KEY([MaKV])  
REFERENCES [dbo].[Khuvuc] ([MaKV])  
ON UPDATE CASCADE  
GO
```

```
ALTER TABLE [dbo].[Sinhvien] CHECK CONSTRAINT [FK_Sinhvien_Khuvuc]  
GO
```

```
ALTER TABLE [dbo].[Sinhvien] WITH NOCHECK ADD CONSTRAINT [FK_SinhVien_Lop]  
FOREIGN KEY([MaL])  
REFERENCES [dbo].[Lop] ([MaL])  
ON UPDATE CASCADE  
GO
```

```
ALTER TABLE [dbo].[Sinhvien] CHECK CONSTRAINT [FK_SinhVien_Lop]  
GO
```

```
ALTER TABLE [dbo].[Sinhvien] WITH NOCHECK ADD CONSTRAINT  
[FK_SinhVien_Quoctich] FOREIGN KEY([MaQT])  
REFERENCES [dbo].[Quoctich] ([MaQT])  
ON UPDATE CASCADE  
GO
```

```
ALTER TABLE [dbo].[Sinhvien] CHECK CONSTRAINT [FK_SinhVien_Quoctich]  
GO
```

```
ALTER TABLE [dbo].[Sinhvien] WITH NOCHECK ADD CONSTRAINT  
[FK_SinhVien_QuyetchinhTN] FOREIGN KEY([MaQDTN])
```

```
REFERENCES [dbo].[QuyetdinhTN] ([MaQDTN])
ON UPDATE CASCADE
GO
```

```
ALTER TABLE [dbo].[Sinhvien] CHECK CONSTRAINT [FK_SinhVien_QuyetdinhTN]
GO
```

```
ALTER TABLE [dbo].[Sinhvien] WITH CHECK ADD CONSTRAINT [FK_Sinhvien_Tbl01]
FOREIGN KEY([Fid11])
REFERENCES [dbo].[Tbl01] ([PKTbl01])
ON UPDATE CASCADE
GO
```

```
ALTER TABLE [dbo].[Sinhvien] CHECK CONSTRAINT [FK_Sinhvien_Tbl01]
GO
```

```
ALTER TABLE [dbo].[Sinhvien] WITH NOCHECK ADD CONSTRAINT
[FK_Sinhvien_TonGiao] FOREIGN KEY([MaTG])
REFERENCES [dbo].[Tongiao] ([MaTG])
ON UPDATE CASCADE
GO
```

```
ALTER TABLE [dbo].[Sinhvien] CHECK CONSTRAINT [FK_Sinhvien_TonGiao]
GO
```

```
ALTER TABLE [dbo].[Sinhvien] WITH NOCHECK ADD CONSTRAINT
[FK_Sinhvien_TPGD] FOREIGN KEY([MaTPGD])
REFERENCES [dbo].[TPGD] ([MaTPGD])
ON UPDATE CASCADE
GO
```

```
ALTER TABLE [dbo].[Sinhvien] CHECK CONSTRAINT [FK_Sinhvien_TPGD]
GO
```

#29./* Table [dbo].[Khoanthu] Script Date:
13/07/2025 6:33:14 AM ***/**

```
SET ANSI_NULLS ON
GO
```

```
SET QUOTED_IDENTIFIER ON
GO
```

```
CREATE TABLE [dbo].[Khoanthu](
    [MaKT] [nvarchar](10) NOT NULL,
    [Khoanthu] [nvarchar](200) NOT NULL,
```

```

        [Lydo] [nvarchar](200) NOT NULL,
        [NoDelete] [int] NULL,
CONSTRAINT [PK_Khoanthu] PRIMARY KEY CLUSTERED
(
        [MaKT] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO

ALTER TABLE [dbo].[Khoanthu] ADD CONSTRAINT [DF_Khoanthu_NoDelete] DEFAULT
(0) FOR [NoDelete]

```

#30./* Table **[SinhvienLopHP]** **Script Date:**
17/07/2025 3:06:47 PM ***** *Chứa điểm Thi và điểm đã tính toán*
hoàn chỉnh/*

```

SET ANSI_NULLS ON
GO

```

```

SET QUOTED_IDENTIFIER ON
GO

```

```

CREATE TABLE [dbo].[SinhvienLopHP](
        [MaSV] [nvarchar](12) NOT NULL,
        [MaLHP] [nvarchar](12) NOT NULL,
        [MaCVSV] [nvarchar](10) NULL,
        [TT] [int] NULL,
        [Thoidiem] [datetime] NULL,
        [Dangkymoi] [bit] NULL,
        [CT1] [real] NULL,
        [CT2] [real] NULL,
        [DHP1] [real] NULL,
        [DHP1Bon] [real] NULL,
        [DHP1Chu] [nvarchar](10) NULL,
        [DHP1Tram] [real] NULL,
        [DHP1TramChu] [nvarchar](10) NULL,
        [DHP2] [real] NULL,
        [DHP2Bon] [real] NULL,
        [DHP2Chu] [nvarchar](10) NULL,
        [DHP2Tram] [real] NULL,
        [DHP2TramChu] [nvarchar](10) NULL,
        [DHP] [real] NULL,

```

[DHPBon] [real] NULL,
[DHPChu] [nvarchar](10) NULL,
[DHPTram] [real] NULL,
[DHPTramChu] [nvarchar](10) NULL,
[Chon] [bit] NULL,
[Hocphi] [int] NULL,
[HocphiMiengiam] [int] NULL,
[HocphiPhainop] [int] NULL,
[HocphiDanop] [int] NULL,
[HocphiConlai] [int] NULL,
[Nhom] [int] NULL,
[TTHP] [int] NULL,
[Sotietngghi] [int] NULL,
[ThiL0] [bit] NULL,
[ThiL1] [bit] NULL,
[ThiL2] [bit] NULL,
[GhichuXetThi] [nvarchar](200) NULL,
[MaPT0] [nvarchar](10) NULL,
[MaPT1] [nvarchar](10) NULL,
[MaPT2] [nvarchar](10) NULL,
[TTPT0] [int] NULL,
[TTPT1] [int] NULL,
[TTPT2] [int] NULL,
[Hoanthi] [bit] NULL,
[ThoihanHoanthi] [datetime] NULL,
[LydoHoanthi] [nvarchar](200) NULL,
[Dangkythi] [bit] NULL,
[GhichuDangkythi] [nvarchar](200) NULL,
[DaThiL0] [bit] NULL,
[DaThiL1] [bit] NULL,
[DaThiL2] [bit] NULL,
[QuahanHoanthi] [bit] NULL,
[Thongbaodiem] [bit] NULL,
[ThoigianThongbaodiem] [datetime] NULL,
[DadanhgiaCK] [bit] NULL,
[DadanhgiaGK] [bit] NULL,
[SBD0] [int] NULL,
[SBD1] [int] NULL,
[SBD2] [int] NULL,
[MaTT0] [nvarchar](10) NULL,
[MaTT1] [nvarchar](10) NULL,
[MaTT2] [nvarchar](10) NULL,
[TTTT0] [int] NULL,
[TTTT1] [int] NULL,
[TTTT2] [int] NULL,
[SP0] [int] NULL,
[SP1] [int] NULL,
[SP2] [int] NULL,

```

[Miengiam] [real] NULL,
[GhichuMiengiam] [nvarchar](200) NULL,
[CT3] [real] NULL,
[DHP3] [real] NULL,
[DHP3Bon] [real] NULL,
[DHP3Chu] [nvarchar](10) NULL,
[CT4] [real] NULL,
[DHP4] [real] NULL,
[DHP4Bon] [real] NULL,
[DHP4Chu] [nvarchar](10) NULL,
[CT5] [real] NULL,
[DHP5] [real] NULL,
[DHP5Bon] [real] NULL,
[DHP5Chu] [nvarchar](10) NULL,
CONSTRAINT [PK_KetquaLopHP] PRIMARY KEY CLUSTERED
(
    [MaSV] ASC,
    [MaLHP] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO

```

```

ALTER TABLE [dbo].[SinhvienLopHP] ADD CONSTRAINT [DF_SinhvienLopHP_TT]
DEFAULT (0) FOR [TT]
GO

```

```

ALTER TABLE [dbo].[SinhvienLopHP] ADD CONSTRAINT [DF_KetquaLopHP_Chon]
DEFAULT (0) FOR [Chon]
GO

```

```

ALTER TABLE [dbo].[SinhvienLopHP] ADD CONSTRAINT [DF_SinhvienLopHP_Miengiam]
DEFAULT (0) FOR [HocphiMiengiam]
GO

```

```

ALTER TABLE [dbo].[SinhvienLopHP] ADD CONSTRAINT [DF_SinhvienLopHP_Hocphi]
DEFAULT (0) FOR [HocphiPhainop]
GO

```

```

ALTER TABLE [dbo].[SinhvienLopHP] ADD CONSTRAINT
[DF_SinhvienLopHP_HocphiDanop] DEFAULT (0) FOR [HocphiDanop]
GO

```

```

ALTER TABLE [dbo].[SinhvienLopHP] ADD CONSTRAINT
[DF_SinhvienLopHP_HocphiConlai] DEFAULT (0) FOR [HocphiConlai]
GO

```

```
ALTER TABLE [dbo].[SinhvienLopHP] ADD CONSTRAINT  
[DF__SinhvienL__ThiL0__65F6EC68] DEFAULT (0) FOR [ThiL0]  
GO
```

```
ALTER TABLE [dbo].[SinhvienLopHP] ADD CONSTRAINT  
[DF__SinhvienL__ThiL1__06E2DEE7] DEFAULT (0) FOR [ThiL1]  
GO
```

```
ALTER TABLE [dbo].[SinhvienLopHP] ADD CONSTRAINT  
[DF__SinhvienL__ThiL2__07D70320] DEFAULT (0) FOR [ThiL2]  
GO
```

```
ALTER TABLE [dbo].[SinhvienLopHP] ADD CONSTRAINT  
[DF__SinhvienL__Hoant__57BDDBA] DEFAULT (0) FOR [Hoanthi]  
GO
```

```
ALTER TABLE [dbo].[SinhvienLopHP] ADD CONSTRAINT  
[DF__SinhvienL__DangK__58B1FFE3] DEFAULT (0) FOR [Dangkythi]  
GO
```

```
ALTER TABLE [dbo].[SinhvienLopHP] ADD CONSTRAINT  
[DF__SinhvienL__DaThi__7FB6BE6B] DEFAULT (0) FOR [DaThiL0]  
GO
```

```
ALTER TABLE [dbo].[SinhvienLopHP] ADD CONSTRAINT  
[DF__SinhvienL__DaThi__59A6241C] DEFAULT (0) FOR [DaThiL1]  
GO
```

```
ALTER TABLE [dbo].[SinhvienLopHP] ADD CONSTRAINT  
[DF__SinhvienL__DaThi__5A9A4855] DEFAULT (0) FOR [DaThiL2]  
GO
```

```
ALTER TABLE [dbo].[SinhvienLopHP] ADD CONSTRAINT  
[DF__SinhvienL__Quaha__5B8E6C8E] DEFAULT (0) FOR [QuahanHoanthi]  
GO
```

```
ALTER TABLE [dbo].[SinhvienLopHP] ADD CONSTRAINT  
[DF__SinhvienL__Thong__41EE961C] DEFAULT (0) FOR [Thongbaodiem]  
GO
```

```
ALTER TABLE [dbo].[SinhvienLopHP] ADD CONSTRAINT  
[DF__SinhvienL__Dadan__540D4657] DEFAULT (0) FOR [DadanhgiaCK]  
GO
```

```
ALTER TABLE [dbo].[SinhvienLopHP] ADD CONSTRAINT  
[DF__SinhvienL__Dadan__1E3B458B] DEFAULT (0) FOR [DadanhgiaGK]  
GO
```

```
ALTER TABLE [dbo].[SinhvienLopHP] WITH NOCHECK ADD CONSTRAINT  
[FK_KetquaLopHP_SinhVien] FOREIGN KEY([MaSV])  
REFERENCES \[dbo\].\[Sinhvien\] \(\[MaSV\]\)  
ON UPDATE CASCADE  
GO
```

```
ALTER TABLE [dbo].[SinhvienLopHP] CHECK CONSTRAINT \[FK\_KetquaLopHP\_SinhVien\]  
GO
```

```
ALTER TABLE [dbo].[SinhvienLopHP] WITH NOCHECK ADD CONSTRAINT  
[FK_SinhvienLopHP_ChucvuSV] FOREIGN KEY([MaCVSV])  
REFERENCES \[dbo\].\[ChucvuSV\] \(\[MaCVSV\]\)  
ON UPDATE CASCADE  
GO
```

```
ALTER TABLE [dbo].[SinhvienLopHP] CHECK CONSTRAINT  
\[FK\_SinhvienLopHP\_ChucvuSV\]  
GO
```

```
ALTER TABLE [dbo].[SinhvienLopHP] WITH NOCHECK ADD CONSTRAINT  
[FK_SinhvienLopHP_LopHP] FOREIGN KEY([MaLHP])  
REFERENCES \[dbo\].\[LopHP\] \(\[MaLHP\]\)  
ON UPDATE CASCADE  
GO
```

```
ALTER TABLE [dbo].[SinhvienLopHP] CHECK CONSTRAINT \[FK\_SinhvienLopHP\_LopHP\]  
GO
```

```
ALTER TABLE [dbo].[SinhvienLopHP] WITH NOCHECK ADD CONSTRAINT  
[FK_SinhvienLopHP_Phongthi1] FOREIGN KEY([MaPT1])  
REFERENCES \[dbo\].\[Phongthi1\] \(\[MaPT1\]\)  
ON UPDATE CASCADE  
GO
```

```
ALTER TABLE [dbo].[SinhvienLopHP] CHECK CONSTRAINT  
[FK_SinhvienLopHP_Phongthi1]  
GO
```

```
ALTER TABLE [dbo].[SinhvienLopHP] WITH NOCHECK ADD CONSTRAINT  
[FK_SinhvienLopHP_Phongthi2] FOREIGN KEY([MaPT2])  
REFERENCES \[dbo\].\[Phongthi2\] \(\[MaPT2\]\)  
ON UPDATE CASCADE  
GO
```

```
ALTER TABLE [dbo].[SinhvienLopHP] CHECK CONSTRAINT  
[FK_SinhvienLopHP_Phongthi2]  
GO
```

```
ALTER TABLE [dbo].[SinhvienLopHP] WITH NOCHECK ADD CONSTRAINT
[FK_SinhvienLopHP_Tuithi0] FOREIGN KEY([MaTT0])
REFERENCES [dbo].[Tuithi0] ([MaTT0])
ON UPDATE CASCADE
GO
```

```
ALTER TABLE [dbo].[SinhvienLopHP] CHECK CONSTRAINT [FK_SinhvienLopHP_Tuithi0]
GO
```

```
ALTER TABLE [dbo].[SinhvienLopHP] WITH NOCHECK ADD CONSTRAINT
[FK_SinhvienLopHP_Tuithi1] FOREIGN KEY([MaTT1])
REFERENCES [dbo].[Tuithi1] ([MaTT1])
ON UPDATE CASCADE
GO
```

```
ALTER TABLE [dbo].[SinhvienLopHP] CHECK CONSTRAINT [FK_SinhvienLopHP_Tuithi1]
GO
```

```
ALTER TABLE [dbo].[SinhvienLopHP] WITH NOCHECK ADD CONSTRAINT
[FK_SinhvienLopHP_Tuithi2] FOREIGN KEY([MaTT2])
REFERENCES [dbo].[Tuithi2] ([MaTT2])
ON UPDATE CASCADE
GO
```

```
ALTER TABLE [dbo].[SinhvienLopHP] CHECK CONSTRAINT [FK_SinhvienLopHP_Tuithi2]
GO
```

#31./* Table [dbo].[db_HocphiLopHocky] Script

Date: 18/08/2025 8:10:43 AM ***[Phát sinh mới](#) */**

```
SET ANSI_NULLS ON
GO
```

```
SET QUOTED_IDENTIFIER ON
GO
```

```
CREATE TABLE [dbo].[db_HocphiLopHocky](
    [MaL] [nvarchar](10) NOT NULL,
    [MaHK] [nvarchar](10) NOT NULL,
    [HocphiThang] [int] NULL,
    [MaKT] [nvarchar](50) NULL,
    CONSTRAINT [PK_db_HocphiLopHocky] PRIMARY KEY CLUSTERED
(
    [MaL] ASC,
    [MaHK] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
```



```
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,  
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]  
) ON [PRIMARY]  
GO
```

```
ALTER TABLE [dbo].[db_HocphiLopHocky] WITH CHECK ADD CONSTRAINT  
[FK_db_HocphiLopHocky_Hocky] FOREIGN KEY([MaHK])  
REFERENCES [dbo].[Hocky] ([MaHK])  
ON UPDATE CASCADE  
GO
```

```
ALTER TABLE [dbo].[db_HocphiLopHocky] CHECK CONSTRAINT  
[FK_db_HocphiLopHocky_Hocky]  
GO
```

```
ALTER TABLE [dbo].[db_HocphiLopHocky] WITH CHECK ADD CONSTRAINT  
[FK_db_HocphiLopHocky_Lop] FOREIGN KEY([MaL])  
REFERENCES [dbo].[Lop] ([MaL])  
ON UPDATE CASCADE  
GO
```

```
ALTER TABLE [dbo].[db_HocphiLopHocky] CHECK CONSTRAINT  
[FK_db_HocphiLopHocky_Lop]  
GO
```

#32./* Table [dbo].[KhoanthuHK] Script Date:
15/07/2025 3:02:23 PM ***/**

```
SET ANSI_NULLS ON  
GO
```

```
SET QUOTED_IDENTIFIER ON  
GO
```

```
CREATE TABLE [dbo].[KhoanthuHK](  
    [MaKT] [nvarchar](50) NOT NULL,  
    [Khoanthu] [nvarchar](200) NOT NULL,  
    [Lydo] [nvarchar](200) NOT NULL,  
    [NoDelete] [int] NULL,  
    CONSTRAINT [PK_KhoanthuHP] PRIMARY KEY CLUSTERED  
(  
        [MaKT] ASC  
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =  
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,  
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]  
) ON [PRIMARY]
```

GO

```
ALTER TABLE [dbo].[KhoanthuHK] ADD CONSTRAINT [DF_KhoanthuHP_NoDelete]
DEFAULT (0) FOR [NoDelete]
GO
```

#33./* Table [ChucvuSV] Script Date: 03/09/2025

3:00:59 PM ***/**

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

```
CREATE TABLE [dbo].[ChucvuSV](
    [MaCVSV] [nvarchar](10) NOT NULL,
    [ChucvuSV] [nvarchar](100) NOT NULL,
    [TT] [int] NULL,
    [Macdinh] [bit] NULL,
    CONSTRAINT [PK_ChucvuSV] PRIMARY KEY CLUSTERED
(
    [MaCVSV] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
```

```
ALTER TABLE [dbo].[ChucvuSV] ADD CONSTRAINT [DF_ChucvuSV_TT] DEFAULT (0)
FOR [TT]
GO
```

```
ALTER TABLE [dbo].[ChucvuSV] ADD CONSTRAINT [DF_ChucvuSV_Macdinh] DEFAULT
(0) FOR [Macdinh]
GO
```

#34./* Table [Congthuc2] Script Date: 03/09/2025

3:04:49 PM ***/**

SET ANSI_NULLS ON

GO

```
SET QUOTED_IDENTIFIER ON
GO
```

```
CREATE TABLE [dbo].[Congthuc2](
    [MaCT2] [nvarchar](10) NOT NULL,
    [Congthuc] [nvarchar](100) NOT NULL,
    [TT] [int] NULL,
    CONSTRAINT [PK_Congthuc2] PRIMARY KEY CLUSTERED
(
    [MaCT2] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
```

#35./* Table [Congthuc2CT] Script Date: 03/09/2025 3:05:15 PM ***/**

```
SET ANSI_NULLS ON
GO
```

```
SET QUOTED_IDENTIFIER ON
GO
```

```
CREATE TABLE [dbo].[Congthuc2CT](
    [MaCT2] [nvarchar](10) NOT NULL,
    [Hs1] [int] NULL,
    [Hs2] [int] NULL,
    [Hs3] [int] NULL,
    CONSTRAINT [PK_Congthuc2CT] PRIMARY KEY CLUSTERED
(
    [MaCT2] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
```

```
ALTER TABLE [dbo].[Congthuc2CT] ADD CONSTRAINT [DF_Congthuc2CT_Hs1]
DEFAULT (0) FOR [Hs1]
GO
```

```
ALTER TABLE [dbo].[Congthuc2CT] ADD CONSTRAINT [DF_Congthuc2CT_Hs2]
DEFAULT (0) FOR [Hs2]
```

GO

```
ALTER TABLE [dbo].[Congthuc2CT] ADD CONSTRAINT [DF_Congthuc2CT_Hs3]
DEFAULT (0) FOR [Hs3]
GO
```

```
ALTER TABLE [dbo].[Congthuc2CT] WITH NOCHECK ADD CONSTRAINT
[FK_Congthuc2CT_Congthuc2] FOREIGN KEY([MaCT2])
REFERENCES [dbo].[Congthuc2] ([MaCT2])
ON UPDATE CASCADE
GO
```

```
ALTER TABLE [dbo].[Congthuc2CT] CHECK CONSTRAINT [FK_Congthuc2CT_Congthuc2]
GO
```

#36./* Table [KetquaLopHP2] Script Date: 03/09/2025

3:07:44 PM ***** *Chứa điểm sau khi Công bố + Điểm thi và Điểm tính*

*toán hoàn chỉnh */*

```
SET ANSI_NULLS ON
GO
```

```
SET QUOTED_IDENTIFIER ON
GO
```

```
CREATE TABLE [dbo].[KetquaLopHP2](
    [MaLHP] [nvarchar](12) NOT NULL,
    [MaSV] [nvarchar](12) NOT NULL,
    [C11] [real] NULL,
    [C12] [real] NULL,
    [C13] [real] NULL,
    [C14] [real] NULL,
    [C15] [real] NULL,
    [C16] [real] NULL,
    [C17] [real] NULL,
    [C18] [real] NULL,
    [C19] [real] NULL,
    [C21] [real] NULL,
    [C22] [real] NULL,
    [C23] [real] NULL,
    [C24] [real] NULL,
    [C25] [real] NULL,
    [C26] [real] NULL,
    [C27] [real] NULL,
```

```

[C28] [real] NULL,
[C29] [real] NULL,
[C31] [real] NULL,
[C32] [real] NULL,
[C33] [real] NULL,
[C34] [real] NULL,
[C35] [real] NULL,
[C36] [real] NULL,
[C37] [real] NULL,
[C38] [real] NULL,
[C39] [real] NULL,
[TBHS] [real] NULL,
[CT1] [real] NULL,
[CT2] [real] NULL,
[DHP1] [real] NULL,
[DHP1Bon] [real] NULL,
[DHP1Chu] [nvarchar](10) NULL,
[DHP2] [real] NULL,
[DHP2Bon] [real] NULL,
[DHP2Chu] [nvarchar](10) NULL,
[DHP] [real] NULL,
[DHPBon] [real] NULL,
[DHPChu] [nvarchar](10) NULL,
[Ghichu] [nvarchar](100) NULL,
[DiemF] [int] NULL,
[GhichuPhongthi] [nvarchar](100) NULL,
[GhichuTuithi] [nvarchar](100) NULL,
[GhichuBangdiem] [nvarchar](100) NULL,
CONSTRAINT [PK_KetquaLopHP2] PRIMARY KEY CLUSTERED
(
    [MaLHP] ASC,
    [MaSV] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO

```

```

ALTER TABLE [dbo].[KetquaLopHP2] WITH NOCHECK ADD CONSTRAINT
[FK_KetquaLopHP2_LopHP] FOREIGN KEY([MaLHP])
REFERENCES [dbo].[LopHP] ([MaLHP])
ON UPDATE CASCADE
GO

```

```

ALTER TABLE [dbo].[KetquaLopHP2] CHECK CONSTRAINT [FK_KetquaLopHP2_LopHP]
GO

```

```

ALTER TABLE [dbo].[KetquaLopHP2] WITH NOCHECK ADD CONSTRAINT

```

```
[FK_KetquaLopHP2_Sinhvien] FOREIGN KEY([MaSV])  
REFERENCES [dbo].[Sinhvien] ([MaSV])  
ON UPDATE CASCADE  
GO
```

```
ALTER TABLE [dbo].[KetquaLopHP2] CHECK CONSTRAINT [FK_KetquaLopHP2_Sinhvien]  
GO
```

#37./* Table [KetquaLopHP2DC] Script Date: 03/09/2025 3:08:26 PM ***** *Chứa điểm của GV nhập */*

```
SET ANSI_NULLS ON  
GO
```

```
SET QUOTED_IDENTIFIER ON  
GO
```

```
CREATE TABLE [dbo].[KetquaLopHP2DC](  
    [MaLHP] [nvarchar](12) NOT NULL,  
    [MaSV] [nvarchar](12) NOT NULL,  
    [MaUser] [nvarchar](10) NOT NULL,  
    [C11] [real] NULL,  
    [C12] [real] NULL,  
    [C13] [real] NULL,  
    [C14] [real] NULL,  
    [C15] [real] NULL,  
    [C16] [real] NULL,  
    [C17] [real] NULL,  
    [C18] [real] NULL,  
    [C19] [real] NULL,  
    [C21] [real] NULL,  
    [C22] [real] NULL,  
    [C23] [real] NULL,  
    [C24] [real] NULL,  
    [C25] [real] NULL,  
    [C26] [real] NULL,  
    [C27] [real] NULL,  
    [C28] [real] NULL,  
    [C29] [real] NULL,  
    [C31] [real] NULL,  
    [C32] [real] NULL,  
    [C33] [real] NULL,  
    [C34] [real] NULL,  
    [C35] [real] NULL,  
    [C36] [real] NULL,
```

```

[C37] [real] NULL,
[C38] [real] NULL,
[C39] [real] NULL,
[TBHS] [real] NULL,
[CT1] [real] NULL,
[CT2] [real] NULL,
[DHP1] [real] NULL,
[DHP1Bon] [real] NULL,
[DHP1Chu] [nvarchar](10) NULL,
[DHP2] [real] NULL,
[DHP2Bon] [real] NULL,
[DHP2Chu] [nvarchar](10) NULL,
[DHP] [real] NULL,
[DHPBon] [real] NULL,
[DHPChu] [nvarchar](10) NULL,
[Ghichu] [nvarchar](100) NULL,
[DiemF] [int] NULL,
[GhichuPhongthi] [nvarchar](100) NULL,
[GhichuTuithi] [nvarchar](100) NULL,
[GhichuBangdiem] [nvarchar](100) NULL,
CONSTRAINT [PK_KetquaLopHP2DC] PRIMARY KEY CLUSTERED
(
    [MaLHP] ASC,
    [MaSV] ASC,
    [MaUser] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO

```

```

ALTER TABLE [dbo].[KetquaLopHP2DC] WITH NOCHECK ADD CONSTRAINT
[FK_KetquaLopHP2DC_LopHP] FOREIGN KEY([MaLHP])
REFERENCES \[dbo\].\[LopHP\] \(\[MaLHP\]\)
ON UPDATE CASCADE
GO

```

```

ALTER TABLE [dbo].[KetquaLopHP2DC] CHECK CONSTRAINT
[FK_KetquaLopHP2DC_LopHP]
GO

```

```

ALTER TABLE [dbo].[KetquaLopHP2DC] WITH NOCHECK ADD CONSTRAINT
[FK_KetquaLopHP2DC_Sinhvien] FOREIGN KEY([MaSV])
REFERENCES \[dbo\].\[Sinhvien\] \(\[MaSV\]\)
ON UPDATE CASCADE
GO

```

```

ALTER TABLE [dbo].[KetquaLopHP2DC] CHECK CONSTRAINT

```

```
[FK_KetquaLopHP2DC_Sinhvien]
GO
```

```
ALTER TABLE [dbo].[KetquaLopHP2DC] WITH NOCHECK ADD CONSTRAINT
[FK_KetquaLopHP2DC_Users] FOREIGN KEY([MaUser])
REFERENCES [dbo].[Users] ([MaUser])
ON UPDATE CASCADE
GO
```

```
ALTER TABLE [dbo].[KetquaLopHP2DC] CHECK CONSTRAINT
[FK_KetquaLopHP2DC_Users]
GO
```

#38./* Table [Ketqua] Script Date: 03/09/2025 3:11:43 PM ***/**

```
SET ANSI_NULLS ON
GO
```

```
SET QUOTED_IDENTIFIER ON
GO
```

```
CREATE TABLE [dbo].[Ketqua](
    [MaSV] [nvarchar](12) NOT NULL,
    [MaHP] [nvarchar](10) NOT NULL,
    [DHP] [real] NULL,
    [DHPBon] [real] NULL,
    [DHPChu] [nvarchar](10) NULL,
    [DHPTram] [real] NULL,
    [DHPTramChu] [nvarchar](10) NULL,
    [DHP1] [real] NULL,
    [DHP1Bon] [real] NULL,
    [DHP1Chu] [nvarchar](10) NULL,
    [DHP2] [real] NULL,
    [DHP2Bon] [real] NULL,
    [DHP2Chu] [nvarchar](10) NULL,
    [CT1] [real] NULL,
    [CT2] [real] NULL,
    [MaLHP] [nvarchar](12) NULL,
    [Loai] [int] NULL,
    [TinhdiemHB] [bit] NULL,
    [MaHK] [nvarchar](10) NULL,
    [Chon] [bit] NULL,
    [Ghichu] [nvarchar](200) NULL,
    [GhichuEN] [nvarchar](200) NULL,
    [Ghichu2] [nvarchar](200) NULL,
```



```

        [ChonCC] [bit] NULL,
CONSTRAINT [PK_Ketqua] PRIMARY KEY CLUSTERED
(
        [MaSV] ASC,
        [MaHP] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO

```

```

ALTER TABLE [dbo].[Ketqua] ADD CONSTRAINT [DF__Ketqua__Loai__56C9B771]
DEFAULT ((0)) FOR [Loai]
GO

```

```

ALTER TABLE [dbo].[Ketqua] WITH NOCHECK ADD CONSTRAINT
[FK_Ketqua_Hocphan] FOREIGN KEY([MaHP])
REFERENCES \[dbo\].\[Hocphan\] \(\[MaHP\]\)
ON UPDATE CASCADE
GO

```

```

ALTER TABLE [dbo].[Ketqua] CHECK CONSTRAINT [FK_Ketqua_Hocphan]
GO

```

```

ALTER TABLE [dbo].[Ketqua] WITH NOCHECK ADD CONSTRAINT
[FK_Ketqua_SinhVien1] FOREIGN KEY([MaSV])
REFERENCES \[dbo\].\[Sinhvien\] \(\[MaSV\]\)
ON UPDATE CASCADE
GO

```

```

ALTER TABLE [dbo].[Ketqua] CHECK CONSTRAINT [FK_Ketqua_SinhVien1]
GO

```

#39./* Table [dbo].[LoaiHocphan] Script Date:
03/09/2025 3:13:29 PM ***/**

```

SET ANSI_NULLS ON
GO

```

```

SET QUOTED_IDENTIFIER ON
GO

```

```

CREATE TABLE [dbo].[LoaiHocphan](
        [MaLoaiHP] [nvarchar](10) NOT NULL,
        [Loaihocphan] [nvarchar](100) NOT NULL,
        [HesoHocphi] [real] NOT NULL,

```

```

        [TT] [int] NULL,
CONSTRAINT [PK_HocphanLoai] PRIMARY KEY CLUSTERED
(
        [MaLoaiHP] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO

```

#40./* Table [dbo].[LoaiLopHP] Script Date: 03/09/2025 3:14:14 PM ***/**

```

SET ANSI_NULLS ON
GO

```

```

SET QUOTED_IDENTIFIER ON
GO

```

```

CREATE TABLE [dbo].[LoaiLopHP](
        [MaLLHP] [nvarchar](10) NOT NULL,
        [LoaiLHP] [nvarchar](100) NOT NULL,
        [HesoHocphi] [real] NOT NULL,
        [TT] [int] NULL,
        [Macdinh] [bit] NULL,
CONSTRAINT [PK_LoaiLopHP] PRIMARY KEY CLUSTERED
(
        [MaLLHP] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO

```

```

ALTER TABLE [dbo].[LoaiLopHP] ADD CONSTRAINT [DF_LoaiLopHP_Macdinh]
DEFAULT (0) FOR [Macdinh]
GO

```

#41./* Table [Nhapdiem] Script Date: 03/09/2025 3:15:32 PM ***/** *Khi Công bố thì dữ liệu được ghi vào đây */*

```

SET ANSI_NULLS ON
GO

```

```
SET QUOTED_IDENTIFIER ON
GO
```

```
CREATE TABLE [dbo].[Nhapdiem](
    [MaLHP] [nvarchar](12) NOT NULL,
    [MaUser] [nvarchar](10) NOT NULL,
    [Thoigian] [datetime] NULL,
    CONSTRAINT [PK_Nhapdiem] PRIMARY KEY CLUSTERED
(
    [MaLHP] ASC,
    [MaUser] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
```

```
ALTER TABLE [dbo].[Nhapdiem] WITH NOCHECK ADD CONSTRAINT
[FK_Nhapdiem_LopHP] FOREIGN KEY([MaLHP])
REFERENCES [dbo].[LopHP] ([MaLHP])
ON UPDATE CASCADE
GO
```

```
ALTER TABLE [dbo].[Nhapdiem] CHECK CONSTRAINT [FK_Nhapdiem_LopHP]
GO
```

```
ALTER TABLE [dbo].[Nhapdiem] WITH NOCHECK ADD CONSTRAINT
[FK_Nhapdiem_Users] FOREIGN KEY([MaUser])
REFERENCES [dbo].[Users] ([MaUser])
ON UPDATE CASCADE
GO
```

```
ALTER TABLE [dbo].[Nhapdiem] CHECK CONSTRAINT [FK_Nhapdiem_Users]
GO
```

**#42./* Table [Diemdanh] Script Date: 07/09/2025
8:32:53 AM *****/**

```
SET ANSI_NULLS ON
GO
```

```
SET QUOTED_IDENTIFIER ON
GO
```

```
CREATE TABLE [dbo].[Diemdanh](
```

```

[MaSV] [nvarchar](12) NOT NULL,
[Ngay] [datetime] NOT NULL,
[Buoi] [int] NOT NULL,
[MaLHP] [nvarchar](12) NOT NULL,
[Tiet1] [bit] NULL,
[Tiet2] [bit] NULL,
[Tiet3] [bit] NULL,
[Tiet4] [bit] NULL,
[Tiet5] [bit] NULL,
[Tiet6] [bit] NULL,
[Phep] [bit] NULL,
[Lydo] [nvarchar](200) NULL,
[Sotietvang] [int] NULL,
[MaHK] [nvarchar](10) NULL,
CONSTRAINT [PK_Diemdanh] PRIMARY KEY CLUSTERED
(
    [MaSV] ASC,
    [Ngay] ASC,
    [Buoi] ASC,
    [MaLHP] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO

```

```

ALTER TABLE [dbo].[Diemdanh] WITH NOCHECK ADD CONSTRAINT
[FK_Diemdanh_LopHP] FOREIGN KEY([MaLHP])
REFERENCES [dbo].[LopHP] ([MaLHP])
ON UPDATE CASCADE
GO

```

```

ALTER TABLE [dbo].[Diemdanh] CHECK CONSTRAINT [FK_Diemdanh_LopHP]
GO

```

```

ALTER TABLE [dbo].[Diemdanh] WITH NOCHECK ADD CONSTRAINT
[FK_Diemdanh_Sinhvien] FOREIGN KEY([MaSV])
REFERENCES [dbo].[Sinhvien] ([MaSV])
ON UPDATE CASCADE
GO

```

```

ALTER TABLE [dbo].[Diemdanh] CHECK CONSTRAINT [FK_Diemdanh_Sinhvien]
GO

```

#43./* Table [dbo].[db_SinhvienHocphiHK] Script Date: 12/09/2025 1:43:42 PM ***** Phát sinh mới */

```
USE [EduManUni_CamauVKC]
GO
```

```
/* Table [dbo].[db_SinhvienHocphiHK] Script Date: 24/09/2025 10:02:34 AM *****/
SET ANSI_NULLS ON
GO
```

```
SET QUOTED_IDENTIFIER ON
GO
```

```
CREATE TABLE [dbo].[db_SinhvienHocphiHK](
    [MaSV] [nvarchar](12) NOT NULL,
    [MaHK] [nvarchar](10) NOT NULL,
    [MaKT] [nvarchar](50) NOT NULL,
    [HocphiQD] [int] NULL,
    [Miengiam] [int] NULL,
    [Phainop] [int] NULL,
    [Danop] [int] NULL,
    [Conlai] [int] NULL,
    [Ghichu] [nvarchar](200) NULL,
    CONSTRAINT [PK_db_SinhvienHocphiHK] PRIMARY KEY CLUSTERED
(
    [MaSV] ASC,
    [MaHK] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
```

```
ALTER TABLE [dbo].[db_SinhvienHocphiHK] ADD CONSTRAINT
[DF_db_SinhvienHocphiHK_MaKT] DEFAULT ('555') FOR [MaKT]
GO
```

```
ALTER TABLE [dbo].[db_SinhvienHocphiHK] WITH CHECK ADD CONSTRAINT
[FK_db_SinhvienHocphiHK_KhoanthuHK] FOREIGN KEY([MaKT])
REFERENCES [dbo].[KhoanthuHK] ([MaKT])
ON UPDATE CASCADE
GO
```

```
ALTER TABLE [dbo].[db_SinhvienHocphiHK] CHECK CONSTRAINT
[FK_db_SinhvienHocphiHK_KhoanthuHK]
GO
```

```
ALTER TABLE [dbo].[db_SinhvienHocphiHK] WITH CHECK ADD CONSTRAINT  
[FK_db_SinhvienHocphiHK_Sinhvien] FOREIGN KEY([MaSV])  
REFERENCES [dbo].[Sinhvien] ([MaSV])  
ON UPDATE CASCADE  
GO
```

```
ALTER TABLE [dbo].[db_SinhvienHocphiHK] CHECK CONSTRAINT  
[FK_db_SinhvienHocphiHK_Sinhvien]  
GO
```

#44./* Table [dbo].[db_ThongbaoHocphiHK] Script

Date: 12/09/2025 1:52:35 PM *** [Phát sinh mới](#) */**

```
SET ANSI_NULLS ON  
GO
```

```
SET QUOTED_IDENTIFIER ON  
GO
```

```
CREATE TABLE [dbo].[db_ThongbaoHocphiHK](  
    [MaHK] [nvarchar](10) NOT NULL,  
    [SoTB] [nvarchar](50) NOT NULL,  
    [NgayTB] [datetime] NULL,  
    [NgayBatdau] [datetime] NULL,  
    [NgayKetthuc] [datetime] NULL,  
    [BankID] [nvarchar](15) NULL,  
    [Ghichu] [nvarchar](200) NULL,  
    CONSTRAINT [PK_ThongbaoHocphiHK] PRIMARY KEY CLUSTERED  
(  
        [MaHK] ASC  
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =  
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,  
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]  
) ON [PRIMARY]  
GO
```

#45./* Table [dbo].[db_BankAccountNo] Script Date:

12/09/2025 1:52:55 PM *** [Phát sinh mới](#) */**

```
SET ANSI_NULLS ON  
GO
```

```
SET QUOTED_IDENTIFIER ON  
GO
```

```

CREATE TABLE [dbo].[db_BankAccountNo](
    [BankID] [nvarchar](15) NOT NULL,
    [BankName] [nvarchar](50) NULL,
    [AccountNo] [nvarchar](50) NULL,
    [AccountName] [nvarchar](150) NULL,
    [Macdinh] [bit] NULL,
    CONSTRAINT [PK_db_BankAccountNo] PRIMARY KEY CLUSTERED
(
    [BankID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO

ALTER TABLE [dbo].[db_BankAccountNo] ADD CONSTRAINT
[DF_db_BankAccountNo_Macdinh] DEFAULT ((0)) FOR [Macdinh]
GO

```

#46./* Table [db_DotXTCounters] Script Date: 03/08/2025
9:36:07 AM ***** **Phát sinh mới** */

```

SET ANSI_NULLS ON
GO

```

```

SET QUOTED_IDENTIFIER ON
GO

```

```

CREATE TABLE [dbo].[db_DotXTCounters](
    [MaDXT] [nvarchar](10) NOT NULL,
    [SoCuoi] [int] NOT NULL,
    PRIMARY KEY CLUSTERED
(
    [MaDXT] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO

```

```

ALTER TABLE [dbo].[db_DotXTCounters] WITH CHECK ADD CONSTRAINT
[FK_db_DotXTCounters_DotXT] FOREIGN KEY([MaDXT])
REFERENCES [dbo].[DotXT] ([MaDXT])
ON UPDATE CASCADE

```

```
ON DELETE CASCADE
GO
```

```
ALTER TABLE [dbo].[db_DotXTCounters] CHECK CONSTRAINT
[FK_db_DotXTCounters_DotXT]
GO
```

#47./* Table [ThisinhXT] Script Date: 25/07/2025 2:48:05 PM

*******/**

```
SET ANSI_NULLS ON
GO
```

```
SET QUOTED_IDENTIFIER ON
GO
```

```
CREATE TABLE [dbo].[ThisinhXT](
    [MaTSXT] [nvarchar](12) NOT NULL,
    [Maso] [nvarchar](50) NULL,
    [Holot] [nvarchar](100) NULL,
    [Ten] [nvarchar](50) NULL,
    [Ngaysinh] [datetime] NULL,
    [Noisinh] [nvarchar](200) NULL,
    [Gioitinh] [bit] NULL,
    [Hokhau] [nvarchar](200) NULL,
    [NamTN] [int] NULL,
    [MaTHPT] [nvarchar](10) NULL,
    [Diachi] [nvarchar](200) NULL,
    [Dienthoai] [nvarchar](100) NULL,
    [Email] [nvarchar](100) NULL,
    [SoCMND] [nvarchar](50) NULL,
    [NgaycapCMND] [datetime] NULL,
    [NoicapCMND] [nvarchar](100) NULL,
    [TT] [int] NULL,
    [Trungtuyen] [int] NULL,
    [Nhaphoc] [int] NULL,
    [Phanlop] [int] NULL,
    [MaDT] [nvarchar](10) NULL,
    [MaTG] [nvarchar](10) NULL,
    [MaDTCS] [nvarchar](10) NULL,
    [MaKV] [nvarchar](10) NULL,
    [MaDXT] [nvarchar](10) NULL,
    [Ghichu] [nvarchar](200) NULL,
    [GhichuXettuyen] [nvarchar](200) NULL,
    [GhichuNhaphoc] [nvarchar](200) NULL,
```



```

[Sotien] [int] NULL,
[MaKPXTs] [nvarchar](200) NULL,
[Miengiam] [int] NULL,
[MaNG] [nvarchar](10) NULL,
[MaTHXT] [nvarchar](10) NULL,
[MaTCXT] [nvarchar](10) NULL,
[TongDXT] [real] NULL,
[DTBXT] [real] NULL,
[Hinh_anh] [image] NULL,
[DiemUT] [real] NULL,
[MaQDTT] [nvarchar](10) NULL,
[GhichuTrungtuyen] [nvarchar](200) NULL,
[ThongbaoTrungtuyen] [bit] NULL,
[ThoigianThongbaoTrungtuyen] [datetime] NULL,
[Fld01] [nvarchar](250) NULL,
PRIMARY KEY CLUSTERED
(
    [MaTSXT] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY] TEXTIMAGE_ON [PRIMARY]
GO

```

```

ALTER TABLE [dbo].[ThisinhXT] ADD DEFAULT (0) FOR [ThongbaoTrungtuyen]
GO

```

```

ALTER TABLE [dbo].[ThisinhXT] WITH CHECK ADD CONSTRAINT
[FK_ThisinhXT_Dantoc] FOREIGN KEY([MaDT])
REFERENCES [dbo].[Dantoc] ([MaDT])
ON UPDATE CASCADE
GO

```

```

ALTER TABLE [dbo].[ThisinhXT] CHECK CONSTRAINT [FK_ThisinhXT_Dantoc]
GO

```

```

ALTER TABLE [dbo].[ThisinhXT] WITH CHECK ADD CONSTRAINT
[FK_ThisinhXT_DotXT] FOREIGN KEY([MaDXT])
REFERENCES [dbo].[DotXT] ([MaDXT])
ON UPDATE CASCADE
GO

```

```

ALTER TABLE [dbo].[ThisinhXT] CHECK CONSTRAINT [FK_ThisinhXT_DotXT]
GO

```

```

ALTER TABLE [dbo].[ThisinhXT] WITH CHECK ADD CONSTRAINT
[FK_ThisinhXT_DTCS] FOREIGN KEY([MaDTCS])
REFERENCES [dbo].[DTCS] ([MaDTCS])

```

ON UPDATE CASCADE
GO

ALTER TABLE [dbo].[ThisinhXT] CHECK CONSTRAINT [FK_ThisinhXT_DTCS]
GO

ALTER TABLE [dbo].[ThisinhXT] WITH CHECK ADD CONSTRAINT
[FK_ThisinhXT_Khuvuc] FOREIGN KEY([MaKV])
REFERENCES [dbo].[Khuvuc] ([MaKV])
ON UPDATE CASCADE
GO

ALTER TABLE [dbo].[ThisinhXT] CHECK CONSTRAINT [FK_ThisinhXT_Khuvuc]
GO

ALTER TABLE [dbo].[ThisinhXT] WITH CHECK ADD CONSTRAINT
[FK_ThisinhXT_QuyetdinhTT] FOREIGN KEY([MaQD TT])
REFERENCES [dbo].[QuyetdinhTT] ([MaQD TT])
ON UPDATE CASCADE
GO

ALTER TABLE [dbo].[ThisinhXT] CHECK CONSTRAINT [FK_ThisinhXT_QuyetdinhTT]
GO

ALTER TABLE [dbo].[ThisinhXT] WITH CHECK ADD CONSTRAINT
[FK_ThisinhXT_Tongiao] FOREIGN KEY([MaTG])
REFERENCES [dbo].[Tongiao] ([MaTG])
ON UPDATE CASCADE
GO

ALTER TABLE [dbo].[ThisinhXT] CHECK CONSTRAINT [FK_ThisinhXT_Tongiao]
GO

ALTER TABLE [dbo].[ThisinhXT] WITH NOCHECK ADD CONSTRAINT
[FK_ThisinhXT_TruongTHPT] FOREIGN KEY([MaTHPT])
REFERENCES [dbo].[TruongTHPT] ([MaTHPT])
ON UPDATE CASCADE
GO

ALTER TABLE [dbo].[ThisinhXT] CHECK CONSTRAINT [FK_ThisinhXT_TruongTHPT]
GO

#48./* Table [dbo].[DotXT] Script Date: 07/10/2025 9:24:16

AM *****/

SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

```
CREATE TABLE [dbo].[DotXT](
    [MaDXT] [nvarchar](10) NOT NULL,
    [DotXT] [nvarchar](200) NOT NULL,
    [Ma_DXT] [nvarchar](50) NOT NULL,
    [Ghichu] [nvarchar](200) NULL,
    [PhuongthucXT] [nvarchar](200) NULL,
    [Ngayketthuc] [datetime] NULL,
    [NgayXetTuyen] [datetime] NULL,
    [NgayBDthutuc] [datetime] NULL,
    [NgayKTthutuc] [datetime] NULL,
    [NgayNhapHoc] [datetime] NULL,
    [DiademNhaphoc] [nvarchar](250) NULL,
    [DiademThutuc] [nvarchar](250) NULL,
    CONSTRAINT [PK__DotXT__786AA25E] PRIMARY KEY CLUSTERED
(
    [MaDXT] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
```

#49./* Table [TruongTHPT] Script Date: 25/07/2025 2:51:49

PM *****/

SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

```
CREATE TABLE [dbo].[TruongTHPT](
    [MaTHPT] [nvarchar](10) NOT NULL,
    [TruongTHPT] [nvarchar](200) NOT NULL,
    [Diachi] [nvarchar](200) NOT NULL,
    [Maso] [nvarchar](10) NOT NULL,
    [MaKV] [nvarchar](10) NULL,
```

```

CONSTRAINT [PK__TruongTHPT__01F40C98] PRIMARY KEY CLUSTERED
(
    [MaTHPT] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO

```

#50./* Table [QuyetdinhTT] Script Date: 25/07/2025 2:52:45
PM ***/**

```

SET ANSI_NULLS ON
GO

```

```

SET QUOTED_IDENTIFIER ON
GO

```

```

CREATE TABLE [dbo].[QuyetdinhTT](
    [MaQDTT] [nvarchar](10) NOT NULL,
    [So] [nvarchar](200) NOT NULL,
    [Ngayky] [datetime] NOT NULL,
    [Nguoiiky] [nvarchar](200) NULL,
    [Noidung] [nvarchar](200) NULL,
    PRIMARY KEY CLUSTERED
(
    [MaQDTT] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO

```

#51./* Table [db_ThisinhXTnopHoso] Script Date: 03/08/2025
9:37:53 AM ***[Phát sinh mới](#) */**

```

SET ANSI_NULLS ON
GO

```

```

SET QUOTED_IDENTIFIER ON
GO

```

```

CREATE TABLE [dbo].[db_ThisinhXTnopHoso](
    [MaTSXT] [nvarchar](12) NOT NULL,

```

[hs1] [bit] NULL,
[hs2] [bit] NULL,
[hs3] [bit] NULL,
[hs4] [bit] NULL,
[hs5] [bit] NULL,
[hs6] [bit] NULL,
[hs7] [bit] NULL,
[hs8] [bit] NULL,
[hs9] [bit] NULL,
[hs10] [bit] NULL,
[hs11] [bit] NULL,
[hs12] [bit] NULL,
[hs13] [nvarchar](100) NULL,
[hs14] [bit] NULL,
[hs15] [bit] NULL,
[hs16] [bit] NULL,
[GhiChu] [nvarchar](200) NULL,
[NopOnline] [bit] NULL,
[MaTiepCan] [nvarchar](4) NULL,
[SoDT] [nvarchar](50) NULL,
[NguoiNhan] [nvarchar](20) NULL,
[NgayNhan] [datetime] NULL,
[NguoiSua] [nvarchar](20) NULL,
[NgaySua] [datetime] NULL,
[LPsochungtu] [int] IDENTITY(1,1) NOT NULL,
[LPsotien] [int] NULL,
[LPnoidungthu] [nvarchar](100) NULL,
[LPnguoishop] [nvarchar](50) NULL,
[LPnguoithu] [nvarchar](100) NULL,
[LPngaythu] [datetime] NULL,
[LPviettelPay] [bit] NULL,
[XLhanhkiem] [nchar](1) NULL,
[NguoiXT] [nvarchar](20) NULL,
[NgayXT] [datetime] NULL,
[RaSoat] [nchar](1) NULL,
[NguoiRasoat] [nvarchar](20) NULL,
[NgayRasoat] [datetime] NULL,
[Mon1] [real] NULL,
[Mon2] [real] NULL,
[Mon3] [real] NULL,
[DiemUT] [real] NULL,
[DiemXT] [real] NULL,
[Tuyenthang] [bit] NULL,
[DongPhuc_SL] [tinyint] NULL,
[DongPhuc_Tien] [int] NULL,
[DoGDTC_SL] [tinyint] NULL,
[DoGDTC_Tien] [int] NULL,
[BHtoandien_Tien] [int] NULL,

```

        [KhamSK_Tien] [int] NULL,
        [Nguoithu_LPnhaphoc] [nvarchar](200) NULL,
        [Ngaythu_LPnhaphoc] [datetime] NULL,
        [NoidungThu_LPnhaphoc] [nvarchar](300) NULL,
CONSTRAINT [PK_db_ThisinhXTnopHoso] PRIMARY KEY CLUSTERED
(
    [MaTSXT] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO

```

```

ALTER TABLE [dbo].[db_ThisinhXTnopHoso] WITH CHECK ADD CONSTRAINT
[FK_db_ThisinhXTnopHoso_ThisinhXT] FOREIGN KEY([MaTSXT])
REFERENCES [dbo].[ThisinhXT] ([MaTSXT])
ON UPDATE CASCADE
ON DELETE CASCADE
GO

```

```

ALTER TABLE [dbo].[db_ThisinhXTnopHoso] CHECK CONSTRAINT
[FK_db_ThisinhXTnopHoso_ThisinhXT]
GO

```

#52./* Table [ThisinhXTMonXT] Script Date: 03/08/2025

9:40:30 AM ***/

```

SET ANSI_NULLS ON
GO

```

```

SET QUOTED_IDENTIFIER ON
GO

```

```

CREATE TABLE [dbo].[ThisinhXTMonXT](
    [MaTSXT] [nvarchar](12) NOT NULL,
    [MaMXT] [nvarchar](10) NOT NULL,
    [Diem] [real] NULL,
    [Ghichu] [nvarchar](200) NULL,
PRIMARY KEY CLUSTERED
(
    [MaTSXT] ASC,
    [MaMXT] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]

```

GO

```
ALTER TABLE [dbo].[ThisinhXTMonXT] WITH CHECK ADD CONSTRAINT  
[FK_ThisinhXTMonXT_MonXT] FOREIGN KEY([MaMXT])  
REFERENCES [dbo].[MonXT] ([MaMXT])  
ON UPDATE CASCADE  
GO
```

```
ALTER TABLE [dbo].[ThisinhXTMonXT] CHECK CONSTRAINT  
[FK_ThisinhXTMonXT_MonXT]  
GO
```

```
ALTER TABLE [dbo].[ThisinhXTMonXT] WITH CHECK ADD CONSTRAINT  
[FK_ThisinhXTMonXT_ThisinhXT] FOREIGN KEY([MaTSXT])  
REFERENCES [dbo].[ThisinhXT] ([MaTSXT])  
ON UPDATE CASCADE  
GO
```

```
ALTER TABLE [dbo].[ThisinhXTMonXT] CHECK CONSTRAINT  
[FK_ThisinhXTMonXT_ThisinhXT]  
GO
```

#53./* Table [MonXT] Script Date:
03/08/2025 9:43:26 AM ***/**

```
SET ANSI_NULLS ON  
GO
```

```
SET QUOTED_IDENTIFIER ON  
GO
```

```
CREATE TABLE [dbo].[MonXT](  
    [MaMXT] [nvarchar](10) NOT NULL,  
    [MonXT] [nvarchar](200) NOT NULL,  
    [Viettat] [nvarchar](200) NOT NULL,  
    PRIMARY KEY CLUSTERED  
(  
        [MaMXT] ASC  
    )WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =  
    OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,  
    OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]  
 ) ON [PRIMARY]  
GO
```

#54./* Table [ThisinhXTNguyenvongXT]

Script Date:

03/08/2025 9:44:10 AM *****/

SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

```
CREATE TABLE [dbo].[ThisinhXTNguyenvongXT](
    [MaTSXT] [nvarchar](12) NOT NULL,
    [MaNVXT] [int] NOT NULL,
    [MaNG] [nvarchar](10) NULL,
    [MaTHXT] [nvarchar](10) NULL,
    [MaTCXT] [nvarchar](10) NULL,
    [TongDXT] [real] NULL,
    [DTBXT] [real] NULL,
    [Trungtuyen] [int] NULL,
    PRIMARY KEY CLUSTERED
(
    [MaTSXT] ASC,
    [MaNVXT] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
```

```
ALTER TABLE [dbo].[ThisinhXTNguyenvongXT] WITH CHECK ADD CONSTRAINT
[FK_ThisinhXTNguyenvongXT_Nganhhoc] FOREIGN KEY([MaNG])
REFERENCES [dbo].[Nganhhoc] ([MaNG])
ON UPDATE CASCADE
GO
```

```
ALTER TABLE [dbo].[ThisinhXTNguyenvongXT] CHECK CONSTRAINT
[FK_ThisinhXTNguyenvongXT_Nganhhoc]
GO
```

```
ALTER TABLE [dbo].[ThisinhXTNguyenvongXT] WITH CHECK ADD CONSTRAINT
[FK_ThisinhXTNguyenvongXT_ThisinhXT] FOREIGN KEY([MaTSXT])
REFERENCES [dbo].[ThisinhXT] ([MaTSXT])
ON UPDATE CASCADE
GO
```



```
ALTER TABLE [dbo].[ThisinhXTNguyenvongXT] CHECK CONSTRAINT  
[FK_ThisinhXTNguyenvongXT_ThisinhXT]  
GO
```

```
ALTER TABLE [dbo].[ThisinhXTNguyenvongXT] WITH NOCHECK ADD CONSTRAINT  
[FK_ThisinhXTNguyenvongXT_TieuchiXT] FOREIGN KEY([MaTCXT])  
REFERENCES [dbo].[TieuchiXT] ([MaTCXT])  
ON UPDATE CASCADE  
GO
```

```
ALTER TABLE [dbo].[ThisinhXTNguyenvongXT] CHECK CONSTRAINT  
[FK_ThisinhXTNguyenvongXT_TieuchiXT]  
GO
```

```
ALTER TABLE [dbo].[ThisinhXTNguyenvongXT] WITH CHECK ADD CONSTRAINT  
[FK_ThisinhXTNguyenvongXT_TohopXT] FOREIGN KEY([MaTHXT])  
REFERENCES [dbo].[TohopXT] ([MaTHXT])  
ON UPDATE CASCADE  
GO
```

```
ALTER TABLE [dbo].[ThisinhXTNguyenvongXT] CHECK CONSTRAINT  
[FK_ThisinhXTNguyenvongXT_TohopXT]  
GO
```

#55./* Table [TieuchiXT] Script Date: 03/08/2025 9:45:51 AM
*******/**

```
SET ANSI_NULLS ON  
GO
```

```
SET QUOTED_IDENTIFIER ON  
GO
```

```
CREATE TABLE [dbo].[TieuchiXT](  
    [MaTCXT] [nvarchar](10) NOT NULL,  
    [TieuchiXT] [nvarchar](200) NOT NULL,  
    [Ghichu] [nvarchar](200) NULL,  
    PRIMARY KEY CLUSTERED  
    (  
        [MaTCXT] ASC  
    )WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =  
    OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,  
    OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]  
    ) ON [PRIMARY]  
GO
```

#56./* Table [TohopXT] Script Date: 03/08/2025 9:46:08 AM
*****/

SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

```
CREATE TABLE [dbo].[TohopXT](
    [MaTHXT] [nvarchar](10) NOT NULL,
    [TohopXT] [nvarchar](200) NOT NULL,
    [Kyhieu] [nvarchar](200) NOT NULL,
    PRIMARY KEY CLUSTERED
(
    [MaTHXT] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON, OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
```

#57./* Table [DotXTNganhhocNguyenvongXT] Script Date:
03/08/2025 10:23:03 AM *****/

SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

```
CREATE TABLE [dbo].[DotXTNganhhocNguyenvongXT](
    [MaDXT] [nvarchar](10) NOT NULL,
    [MaNG] [nvarchar](10) NOT NULL,
    [MaNVXT] [int] NOT NULL,
    [DiemchuanTongDXT] [real] NULL,
    [SoluongTongDXT] [int] NULL,
    [DiemchuanDTBXT] [real] NULL,
    [SoluongDTBXT] [int] NULL,
    PRIMARY KEY CLUSTERED
(
    [MaDXT] ASC,
    [MaNG] ASC,
    [MaNVXT] ASC
)
```

```
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
```

```
ALTER TABLE [dbo].[DotXTNganhhocNguyenvongXT] WITH CHECK ADD CONSTRAINT
[FK_DotXTNganhhocNguyenvongXT_DotXT] FOREIGN KEY([MaDXT])
REFERENCES [dbo].[DotXT] ([MaDXT])
ON UPDATE CASCADE
GO
```

```
ALTER TABLE [dbo].[DotXTNganhhocNguyenvongXT] CHECK CONSTRAINT
[FK_DotXTNganhhocNguyenvongXT_DotXT]
GO
```

```
ALTER TABLE [dbo].[DotXTNganhhocNguyenvongXT] WITH CHECK ADD CONSTRAINT
[FK_DotXTNganhhocNguyenvongXT_Nganhhoc] FOREIGN KEY([MaNG])
REFERENCES [dbo].[Nganhhoc] ([MaNG])
ON UPDATE CASCADE
GO
```

```
ALTER TABLE [dbo].[DotXTNganhhocNguyenvongXT] CHECK CONSTRAINT
[FK_DotXTNganhhocNguyenvongXT_Nganhhoc]
GO
```

#58./* Table [DotXTNganhhoc] Script Date: 03/08/2025
10:23:53 AM *****/

```
SET ANSI_NULLS ON
GO
```

```
SET QUOTED_IDENTIFIER ON
GO
```

```
CREATE TABLE [dbo].[DotXTNganhhoc](
    [MaDXT] [nvarchar](10) NOT NULL,
    [MaNG] [nvarchar](10) NOT NULL,
    [Chitieu] [int] NULL,
    [SoluongTongDXT] [int] NULL,
    [Conthieu] [int] NULL,
    [SoluongDTBXT] [int] NULL,
    PRIMARY KEY CLUSTERED
(
    [MaDXT] ASC,
    [MaNG] ASC
)
```

```
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =  
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,  
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]  
) ON [PRIMARY]  
GO
```

```
ALTER TABLE [dbo].[DotXTNghanhhoc] WITH CHECK ADD CONSTRAINT  
[FK_DotXTNghanhhoc_DotXT] FOREIGN KEY([MaDXT])  
REFERENCES [dbo].[DotXT] ([MaDXT])  
ON UPDATE CASCADE  
GO
```

```
ALTER TABLE [dbo].[DotXTNghanhhoc] CHECK CONSTRAINT  
[FK_DotXTNghanhhoc_DotXT]  
GO
```

```
ALTER TABLE [dbo].[DotXTNghanhhoc] WITH CHECK ADD CONSTRAINT  
[FK_DotXTNghanhhoc_Nghanhhoc] FOREIGN KEY([MaNG])  
REFERENCES [dbo].[Nghanhhoc] ([MaNG])  
ON UPDATE CASCADE  
GO
```

```
ALTER TABLE [dbo].[DotXTNghanhhoc] CHECK CONSTRAINT  
[FK_DotXTNghanhhoc_Nghanhhoc]  
GO
```

#59./* Table [DotXTNghanhhocTohopXT]
03/08/2025 10:24:37 AM ***/**

Script Date:

```
SET ANSI_NULLS ON  
GO
```

```
SET QUOTED_IDENTIFIER ON  
GO
```

```
CREATE TABLE [dbo].[DotXTNghanhhocTohopXT](  
    [MaDXT] [nvarchar](10) NOT NULL,  
    [MaNG] [nvarchar](10) NOT NULL,  
    [MaTHXT] [nvarchar](10) NOT NULL,  
    [TT] [int] NULL,  
PRIMARY KEY CLUSTERED  
(  
    [MaDXT] ASC,  
    [MaNG] ASC,  
    [MaTHXT] ASC
```

```
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =  
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,  
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]  
) ON [PRIMARY]  
GO
```

```
ALTER TABLE [dbo].[DotXTNganhhocTohopXT] WITH CHECK ADD CONSTRAINT  
[FK_DotXTNganhhocTohopXT_DotXT] FOREIGN KEY([MaDXT])  
REFERENCES [dbo].[DotXT] ([MaDXT])  
ON UPDATE CASCADE  
GO
```

```
ALTER TABLE [dbo].[DotXTNganhhocTohopXT] CHECK CONSTRAINT  
[FK_DotXTNganhhocTohopXT_DotXT]  
GO
```

```
ALTER TABLE [dbo].[DotXTNganhhocTohopXT] WITH CHECK ADD CONSTRAINT  
[FK_DotXTNganhhocTohopXT_Nganhhoc] FOREIGN KEY([MaNG])  
REFERENCES [dbo].[Nganhhoc] ([MaNG])  
ON UPDATE CASCADE  
GO
```

```
ALTER TABLE [dbo].[DotXTNganhhocTohopXT] CHECK CONSTRAINT  
[FK_DotXTNganhhocTohopXT_Nganhhoc]  
GO
```

```
ALTER TABLE [dbo].[DotXTNganhhocTohopXT] WITH CHECK ADD CONSTRAINT  
[FK_DotXTNganhhocTohopXT_TohopXT] FOREIGN KEY([MaTHXT])  
REFERENCES [dbo].[TohopXT] ([MaTHXT])  
ON UPDATE CASCADE  
GO
```

```
ALTER TABLE [dbo].[DotXTNganhhocTohopXT] CHECK CONSTRAINT  
[FK_DotXTNganhhocTohopXT_TohopXT]  
GO
```

#60./* Table [TohopXTMonXT] Script Date: 03/08/2025
10:26:33 AM ***/**

```
SET ANSI_NULLS ON  
GO
```

```
SET QUOTED_IDENTIFIER ON  
GO
```

```
CREATE TABLE [dbo].[TohopXTMonXT](  
    [MaTHXT] [nvarchar](10) NOT NULL,
```

```

        [MaMXT] [nvarchar](10) NOT NULL,
        [Heso] [real] NULL,
        [TT] [int] NULL,
        [TTUTXT] [int] NULL,
PRIMARY KEY CLUSTERED
(
        [MaTHXT] ASC,
        [MaMXT] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO

```

```

ALTER TABLE [dbo].[TohopXTMonXT] WITH CHECK ADD CONSTRAINT
[FK_TohopXTMonXT_MonXT] FOREIGN KEY([MaMXT])
REFERENCES [dbo].[MonXT] ([MaMXT])
ON UPDATE CASCADE
GO

```

```

ALTER TABLE [dbo].[TohopXTMonXT] CHECK CONSTRAINT
[FK_TohopXTMonXT_MonXT]
GO

```

```

ALTER TABLE [dbo].[TohopXTMonXT] WITH CHECK ADD CONSTRAINT
[FK_TohopXTMonXT_TohopXT] FOREIGN KEY([MaTHXT])
REFERENCES [dbo].[TohopXT] ([MaTHXT])
ON UPDATE CASCADE
GO

```

```

ALTER TABLE [dbo].[TohopXTMonXT] CHECK CONSTRAINT
[FK_TohopXTMonXT_TohopXT]
GO

```

#61./* Table [db_TrinhdoVanhoea] Script Date: 04/08/2025

11:28:34 AM *******Phát sinh mới***/

```

SET ANSI_NULLS ON
GO

```

```

SET QUOTED_IDENTIFIER ON
GO

```

```

CREATE TABLE [dbo].[db_TrinhdoVanhoea](
        [TrinhdoVH] [nvarchar](50) NOT NULL,
CONSTRAINT [PK_db_TrinhdoVanhoea] PRIMARY KEY CLUSTERED

```

```
(
    [TrinhdoVH] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
```

#62./* Table [db_NoicapCMND] Script Date: 05/08/2025
8:26:58 AM *******Phát sinh mới** */

```
SET ANSI_NULLS ON
GO
```

```
SET QUOTED_IDENTIFIER ON
GO
```

```
CREATE TABLE [dbo].[db_NoicapCMND](
    [NoicapCMND] [nvarchar](100) NOT NULL,
    CONSTRAINT [PK_db_NoicapCMND] PRIMARY KEY CLUSTERED
(
    [NoicapCMND] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO
```

#63./* Table [db_TiepCan] Script Date: 05/08/2025 8:29:19
AM *******Phát sinh mới** */

```
SET ANSI_NULLS ON
GO
```

```
SET QUOTED_IDENTIFIER ON
GO
```

```
CREATE TABLE [dbo].[db_TiepCan](
    [MaTiepCan] [nvarchar](4) NOT NULL,
    [TenTiepCan] [nvarchar](50) NULL,
    CONSTRAINT [PK_db_TiepCan] PRIMARY KEY CLUSTERED
(
    [MaTiepCan] ASC
)
```

```
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =  
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,  
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]  
) ON [PRIMARY]  
GO
```

#64/* Table [dbo].[**Nhomphong**] Script Date: 26/01/2026
7:43:09 AM *****/

```
SET ANSI_NULLS ON  
GO
```

```
SET QUOTED_IDENTIFIER ON  
GO
```

```
CREATE TABLE [dbo].[Nhomphong](  
    [MaNP] [nvarchar](10) NOT NULL,  
    [Nhomphong] [nvarchar](100) NULL,  
    [MaNPcha] [nvarchar](10) NULL,  
    [MaNPgoc] [nvarchar](10) NULL,  
    CONSTRAINT [PK_Nhomphong] PRIMARY KEY CLUSTERED  
(  
        [MaNP] ASC  
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =  
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,  
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]  
) ON [PRIMARY]  
GO
```

#65./* Table [dbo].[**Loaiphong**] Script Date: 27/01/2026
8:09:50 AM *****/

```
SET ANSI_NULLS ON  
GO
```

```
SET QUOTED_IDENTIFIER ON  
GO
```

```
CREATE TABLE [dbo].[Loaiphong](  
    [MaLP] [nvarchar](10) NOT NULL,  
    [Loaiphong] [nvarchar](100) NULL,  
    [TT] [int] NULL,
```



```

CONSTRAINT [PK_Loaiphong] PRIMARY KEY CLUSTERED
(
    [MaLP] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO

```

```

ALTER TABLE [dbo].[Loaiphong] ADD CONSTRAINT [DF_Loaiphong_TT] DEFAULT (0)
FOR [TT]
GO

```

#66./* Table [dbo].[Hocvi] Script Date: 26/01/2026 7:44:51 AM
*******/**

```

SET ANSI_NULLS ON
GO

```

```

SET QUOTED_IDENTIFIER ON
GO

```

```

CREATE TABLE [dbo].[Hocvi](
    [MaHV] [nvarchar](10) NOT NULL,
    [Hocvi] [nvarchar](100) NOT NULL,
    [Viettat] [nvarchar](50) NOT NULL,
    [HocviEN] [nvarchar](100) NULL,
    [ViettatEN] [nvarchar](50) NULL,
    [TT] [int] NULL,
    [Macdinh] [bit] NULL,
    CONSTRAINT [PK_Hocvi] PRIMARY KEY CLUSTERED
(
    [MaHV] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY =
OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON,
OPTIMIZE_FOR_SEQUENTIAL_KEY = OFF) ON [PRIMARY]
) ON [PRIMARY]
GO

```

```

ALTER TABLE [dbo].[Hocvi] ADD CONSTRAINT [DF_Hocvi_Macdinh] DEFAULT (0) FOR
[Macdinh]
GO

```

#67./* View [dbo].[web_LopTN]

Script Date: 26/08/2025

9:52:15 AM *****Phát sinh mới */

SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

CREATE VIEW [dbo].[web_LopTN]

AS

SELECT N'Khóa 20' + SUBSTRING(L.MaL, 2, 2) AS Khoahoc, DV.Donvi, NH.Dacdiem,
NH.NganhViettat, NH.BacDTHienthi, L.MaL, L.Tenlop, GV.Holot + N' ' + GV.Ten AS Gvcn,
N'Tín chỉ' AS LoaihinhDT, L.Sluong AS SluongBD,

SUM(CASE WHEN SV.Tinhtrang = 3 THEN 1 ELSE 0 END) AS SluongTN
FROM EdumanUni_CamauVKC.dbo.Nganhhoc AS NH INNER JOIN
EdumanUni_CamauVKC.dbo.Lop AS L ON NH.MaNG = L.MaNG LEFT

JOIN

EdumanUni_CamauVKC.dbo.Giaovien AS GV ON L.MaGV = GV.MaGV
LEFT JOIN

EdumanUni_CamauVKC.dbo.Donvi AS DV ON NH.MaDV = DV.MaDV LEFT
JOIN

EdumanUni_CamauVKC.dbo.SinhVien AS SV ON L.MaL = SV.MaL

GROUP BY N'Khóa 20' + SUBSTRING(L.MaL, 2, 2), DV.Donvi, NH.Dacdiem,
NH.NganhViettat, NH.BacDTHienthi, L.MaL, L.Tenlop, GV.Holot + N' ' + GV.Ten, L.Sluong
UNION ALL

SELECT N'Khóa 20' + SUBSTRING(L.MaL, 2, 2) AS Khoahoc, NL.Nhomlop,
NH.Dacdiem, NH.NganhViettat, NH.BacDTHienthi, L.MaL, L.Tenlop, GV.HotenGV, CASE
WHEN RIGHT(NH.BacDTVietat, 2)

= 'TC' THEN N'Tín chỉ' ELSE N'Niên chế' END AS LoaihinhDT, L.Sluong,
SUM(CASE WHEN SV.Tinhtrang = 3 THEN 1 ELSE 0 END) AS SluongTN

FROM Daotao_CamauVKC.dbo.NganhHoc AS NH INNER JOIN
Daotao_CamauVKC.dbo.Lop AS L ON NH.MaNG = L.MaNG INNER JOIN
Daotao_CamauVKC.dbo.Giaovien AS GV ON L.MaGV = GV.MaGV INNER

JOIN

Daotao_CamauVKC.dbo.Nhomlop AS NL ON L.MaNL = NL.MaNL INNER
JOIN

Daotao_CamauVKC.dbo.SinhVien AS SV ON L.MaL = SV.MaL
GROUP BY N'Khóa 20' + SUBSTRING(L.MaL, 2, 2), NL.Nhomlop, NH.Dacdiem,
NH.NganhViettat, NH.BacDTHienthi, L.MaL, L.Tenlop, GV.HotenGV, CASE WHEN
RIGHT(NH.BacDTVietat, 2) = 'TC' THEN N'Tín chỉ' ELSE N'Niên chế' END,

L.Sluong

HAVING N'Khóa 20' + SUBSTRING(L.MaL, 2, 2) NOT IN (N'Khóa 2022', N'Khóa 2023',
N'Khóa 2024') AND SUM(CASE WHEN SV.Tinhtrang = 3 THEN 1 ELSE 0 END) > 0;

GO

```
EXEC sys.sp_addextendedproperty @name=N'MS_DiagramPane1',  
@value=N'[0E232FF0-B466-11cf-A24F-00AA00A3EFFF, 1.00]
```

```
Begin DesignProperties =
```

```
Begin PaneConfigurations =
```

```
Begin PaneConfiguration = 0
```

```
NumPanels = 4
```

```
Configuration = "(H (1[14] 4[12] 2[36] 3) )"
```

```
End
```

```
Begin PaneConfiguration = 1
```

```
NumPanels = 3
```

```
Configuration = "(H (1 [50] 4 [25] 3))"
```

```
End
```

```
Begin PaneConfiguration = 2
```

```
NumPanels = 3
```

```
Configuration = "(H (1 [50] 2 [25] 3))"
```

```
End
```

```
Begin PaneConfiguration = 3
```

```
NumPanels = 3
```

```
Configuration = "(H (4 [30] 2 [40] 3))"
```

```
End
```

```
Begin PaneConfiguration = 4
```

```
NumPanels = 2
```

```
Configuration = "(H (1 [56] 3))"
```

```
End
```

```
Begin PaneConfiguration = 5
```

```
NumPanels = 2
```

```
Configuration = "(H (2 [66] 3))"
```

```
End
```

```
Begin PaneConfiguration = 6
```

```
NumPanels = 2
```

```
Configuration = "(H (4 [50] 3))"
```

```
End
```

```
Begin PaneConfiguration = 7
```

```
NumPanels = 1
```

```
Configuration = "(V (3))"
```

```
End
```

```
Begin PaneConfiguration = 8
```

```
NumPanels = 3
```

```
Configuration = "(H (1[56] 4[18] 2) )"
```

```
End
```

```
Begin PaneConfiguration = 9
```

```
NumPanels = 2
```

```
Configuration = "(H (1 [75] 4))"
```

```
End
```

```
Begin PaneConfiguration = 10
```

```
NumPanels = 2
```

```
Configuration = "(H (1[66] 2) )"
```

```
End
```

```

Begin PaneConfiguration = 11
  NumPanes = 2
  Configuration = "(H (4 [60] 2))"
End
Begin PaneConfiguration = 12
  NumPanes = 1
  Configuration = "(H (1) )"
End
Begin PaneConfiguration = 13
  NumPanes = 1
  Configuration = "(V (4))"
End
Begin PaneConfiguration = 14
  NumPanes = 1
  Configuration = "(V (2))"
End
ActivePaneConfig = 0
End
Begin DiagramPane =
  Begin Origin =
    Top = 0
    Left = 0
  End
  Begin Tables =
  End
End
End
Begin SQLPane =
End
Begin DataPane =
  Begin ParameterDefaults = ""
  End
  Begin ColumnWidths = 12
    Width = 284
    Width = 1500
    Width = 1500
    Width = 1500
    Width = 1500
    Width = 1500
    Width = 1500
    Width = 1500
    Width = 1500
    Width = 1500
    Width = 1500
    Width = 1500
  End
End
Begin CriteriaPane =
  Begin ColumnWidths = 11

```

```
Column = 1440
Alias = 900
Table = 1170
Output = 720
Append = 1400
NewValue = 1170
SortType = 1350
SortOrder = 1410
GroupBy = 1350
Filter = 1350
Or = 1350
Or = 1350
Or = 1350
End
End
End
', @level0type=N'SCHEMA',@level0name=N'dbo',
@level1type=N'VIEW',@level1name=N'web_LopTN'
GO
```

```
EXEC sys.sp_addextendedproperty @name=N'MS_DiagramPaneCount', @value=1 ,
@level0type=N'SCHEMA',@level0name=N'dbo',
@level1type=N'VIEW',@level1name=N'web_LopTN'
GO
```

#68./* View [dbo].[web_QuyetchinhTN]
26/08/2025 9:52:49 AM ***Phát sinh mới */**

Script Date:

```
SET ANSI_NULLS ON
GO
```

```
SET QUOTED_IDENTIFIER ON
GO
```

```
CREATE VIEW [dbo].[web_QuyetchinhTN]
AS
SELECT      MaQDTN, So, Ngayky, Nguoiky
FROM        Daotao_CamauVKC.dbo.QuyetchinhTN
WHERE       MaQDTN <> '000'
UNION
SELECT      MaQDTN, So, Ngayky, Nguoiky
FROM        EdumanUni_CamauVKC.dbo.QuyetchinhTN;
GO
```

```
EXEC sys.sp_addextendedproperty @name=N'MS_DiagramPane1',
@value=N'[0E232FF0-B466-11cf-A24F-00AA00A3EFFF, 1.00]
```

```

Begin DesignProperties =
  Begin PaneConfigurations =
    Begin PaneConfiguration = 0
      NumPanels = 4
      Configuration = "(H (1[26] 4[14] 2[20] 3) )"
    End
    Begin PaneConfiguration = 1
      NumPanels = 3
      Configuration = "(H (1 [50] 4 [25] 3))"
    End
    Begin PaneConfiguration = 2
      NumPanels = 3
      Configuration = "(H (1 [50] 2 [25] 3))"
    End
    Begin PaneConfiguration = 3
      NumPanels = 3
      Configuration = "(H (4 [30] 2 [40] 3))"
    End
    Begin PaneConfiguration = 4
      NumPanels = 2
      Configuration = "(H (1 [56] 3))"
    End
    Begin PaneConfiguration = 5
      NumPanels = 2
      Configuration = "(H (2 [66] 3))"
    End
    Begin PaneConfiguration = 6
      NumPanels = 2
      Configuration = "(H (4 [50] 3))"
    End
    Begin PaneConfiguration = 7
      NumPanels = 1
      Configuration = "(V (3))"
    End
    Begin PaneConfiguration = 8
      NumPanels = 3
      Configuration = "(H (1[56] 4[18] 2) )"
    End
    Begin PaneConfiguration = 9
      NumPanels = 2
      Configuration = "(H (1 [75] 4))"
    End
    Begin PaneConfiguration = 10
      NumPanels = 2
      Configuration = "(H (1[66] 2) )"
    End
    Begin PaneConfiguration = 11
      NumPanels = 2

```

```

    Configuration = "(H (4 [60] 2))"
End
Begin PaneConfiguration = 12
    NumPanes = 1
    Configuration = "(H (1) )"
End
Begin PaneConfiguration = 13
    NumPanes = 1
    Configuration = "(V (4))"
End
Begin PaneConfiguration = 14
    NumPanes = 1
    Configuration = "(V (2))"
End
ActivePaneConfig = 0
End
Begin DiagramPane =
    Begin Origin =
        Top = 0
        Left = 0
    End
    Begin Tables =
    End
End
Begin SQLPane =
End
Begin DataPane =
    Begin ParameterDefaults = ""
    End
    Begin ColumnWidths = 9
        Width = 284
        Width = 1500
        Width = 1500
        Width = 1500
        Width = 1500
        Width = 1500
        Width = 1500
        Width = 1500
        Width = 1500
    End
End
Begin CriteriaPane =
    Begin ColumnWidths = 11
        Column = 1440
        Alias = 900
        Table = 1170
        Output = 720
        Append = 1400

```

```

        NewValue = 1170
        SortType = 1350
        SortOrder = 1410
        GroupBy = 1350
        Filter = 1350
        Or = 1350
        Or = 1350
        Or = 1350
    End
End
End
', @level0type=N'SCHEMA',@level0name=N'dbo',
@level1type=N'VIEW',@level1name=N'web_QuyetdinhTN'
GO

```

```

EXEC sys.sp_addextendedproperty @name=N'MS_DiagramPaneCount', @value=1 ,
@level0type=N'SCHEMA',@level0name=N'dbo',
@level1type=N'VIEW',@level1name=N'web_QuyetdinhTN'
GO

```

**#69./* View [dbo].[web_SinhvienTN] Script Date: 30/08/2025
2:47:33 PM *****Phát sinh mới */**

```

SET ANSI_NULLS ON
GO

```

```

SET QUOTED_IDENTIFIER ON
GO

```

```

CREATE VIEW [dbo].[web_SinhvienTN]
AS
SELECT      sv.MaL, sv.Tinhtrang, sv.MaSV, sv.Maso, sv.Holot, sv.Ten, sv.Gioitinh,
sv.Ngaysinh, sv.Noisinh, sv.SoCMND, sv.Hokhau, sv.Diachi, sv.MaDT, sv.MaTG, sv.Sovaoso,
sv.Sohieu, sv.Nguoiky, sv.Ngayky, sv.MaQDTN, sv.Dienthoai, sv.Email, sv.Noilamviec,
            sv.DiemRLTL, CASE WHEN sv.DiemRLTL >= 90 THEN N'Xuất sắc' WHEN
sv.DiemRLTL >= 80 THEN N'Tốt' WHEN sv.DiemRLTL >= 70 THEN N'Khá' WHEN
sv.DiemRLTL >= 50 THEN N'Trung bình' ELSE N'Yếu' END AS XeploaiRL,
            sv.DTBTL AS DiemTN10, sv.DTBTLBon AS DiemTN4, sv.Hangtotnghiep AS
XeploaiTN
FROM        EdumanUni_CamauVKC.dbo.Sinhvien AS sv
WHERE       sv.MaL IS NOT NULL
UNION
SELECT      svg.MaL_goc, svg.Tinhtrang, svg.MaSV, svg.Maso, svg.Holot, svg.Ten,
svg.Gioitinh, svg.Ngaysinh, svg.Noisinh, svg.SoCMND, svg.Hokhau, svg.Diachi,  svg.MaDT,
svg.MaTG, svg.Sovaoso, svg.Sohieu, svg.Nguoiky, TRY_CONVERT(datetime, svg.Ngayky,
103),

```



```

        svg.MaQDTN, svg.Dienthoai, svg.Email, svg.Noilamviec,
    svg.DiemHanhkiem,
        CASE WHEN svg.DiemHanhkiem >= 90 THEN N'Xuất sắc' WHEN
    svg.DiemHanhkiem >= 80 THEN N'Tốt' WHEN svg.DiemHanhkiem >= 70 THEN N'Khá'
    WHEN svg.DiemHanhkiem >= 50 THEN N'Trung bình' ELSE N'Yếu' END,
        CASE WHEN svg.DTBHTBon IS NULL THEN svg.DTBTK ELSE svg.DTBHT
    END, svg.DTBHTBon, CASE WHEN svg.DTBHTBon IS NULL THEN svg.XLTK ELSE
    svg.XLHTBon END
FROM      Daotao_CamauVKC.dbo.Sinhvien AS svg
WHERE     svg.MaL_goc IS NOT NULL;
GO

```

```

EXEC sys.sp_addextendedproperty @name=N'MS_DiagramPane1',
@value=N'[0E232FF0-B466-11cf-A24F-00AA00A3EFFF, 1.00]

```

```

Begin DesignProperties =

```

```

    Begin PaneConfigurations =

```

```

        Begin PaneConfiguration = 0

```

```

            NumPanels = 4

```

```

            Configuration = "(H (1[24] 4[12] 2[19] 3) )"

```

```

        End

```

```

        Begin PaneConfiguration = 1

```

```

            NumPanels = 3

```

```

            Configuration = "(H (1 [50] 4 [25] 3))"

```

```

        End

```

```

        Begin PaneConfiguration = 2

```

```

            NumPanels = 3

```

```

            Configuration = "(H (1 [50] 2 [25] 3))"

```

```

        End

```

```

        Begin PaneConfiguration = 3

```

```

            NumPanels = 3

```

```

            Configuration = "(H (4 [30] 2 [40] 3))"

```

```

        End

```

```

        Begin PaneConfiguration = 4

```

```

            NumPanels = 2

```

```

            Configuration = "(H (1 [56] 3))"

```

```

        End

```

```

        Begin PaneConfiguration = 5

```

```

            NumPanels = 2

```

```

            Configuration = "(H (2 [66] 3))"

```

```

        End

```

```

        Begin PaneConfiguration = 6

```

```

            NumPanels = 2

```

```

            Configuration = "(H (4 [50] 3))"

```

```

        End

```

```

        Begin PaneConfiguration = 7

```

```

            NumPanels = 1

```

```

            Configuration = "(V (3))"

```

```

        End

```

```

Begin PaneConfiguration = 8
  NumPanes = 3
  Configuration = "(H (1[56] 4[18] 2) )"
End
Begin PaneConfiguration = 9
  NumPanes = 2
  Configuration = "(H (1 [75] 4))"
End
Begin PaneConfiguration = 10
  NumPanes = 2
  Configuration = "(H (1[66] 2) )"
End
Begin PaneConfiguration = 11
  NumPanes = 2
  Configuration = "(H (4 [60] 2))"
End
Begin PaneConfiguration = 12
  NumPanes = 1
  Configuration = "(H (1) )"
End
Begin PaneConfiguration = 13
  NumPanes = 1
  Configuration = "(V (4))"
End
Begin PaneConfiguration = 14
  NumPanes = 1
  Configuration = "(V (2))"
End
ActivePaneConfig = 0
End
Begin DiagramPane =
  Begin Origin =
    Top = 0
    Left = 0
  End
  Begin Tables =
  End
End
Begin SQLPane =
End
Begin DataPane =
  Begin ParameterDefaults = ""
  End
  Begin ColumnWidths = 24
    Width = 284
    Width = 1500
    Width = 1500
    Width = 1500

```

```

Width = 1500
Width = 1500
Width = 1500
Width = 1500
Width = 1500
Width = 1500
Width = 1500
Width = 1500
Width = 1500
Width = 1500
Width = 1500
Width = 1500
Width = 1500
Width = 1500
Width = 1500
Width = 1500
Width = 1500
Width = 1500
Width = 1500
Width = 1500
End
End
Begin CriteriaPane =
    Begin ColumnWidths = 11
        Column = 1440
        Alias = 900
        Table = 1170
        Output = 720
        Append = 1400
        NewValue = 1170
        SortType = 1350
        SortOrder = 1410
        GroupBy = 1350
        Filter = 1350
        Or = 1350
        Or = 1350
        Or = 1350
    End
End
End
', @level0type=N'SCHEMA',@level0name=N'dbo',
@level1type=N'VIEW',@level1name=N'web_SinhvienTN'
GO

EXEC sys.sp_addextendedproperty @name=N'MS_DiagramPaneCount', @value=1 ,
@level0type=N'SCHEMA',@level0name=N'dbo',
@level1type=N'VIEW',@level1name=N'web_SinhvienTN'
GO

```

#70./ * View [dbo].[web_HockyTN]

Script Date: 26/08/2025

9:53:33 AM *****Phát sinh mới */

SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

CREATE VIEW [dbo].[web_HockyTN]
AS

```
SELECT      L.MaL, L.MaHK2 AS MaHK, L.Hocky, L.Ngaybatdau, L.Ngayketthuc, L.Sotuan
FROM        Daotao_CamauVKC.dbo.LopHocky AS L
UNION
SELECT      L.MaL, HK.MaHK, HK.Hocky, HK.Ngaybatdau, HK.Ngayketthuc, HK.Sotuan
FROM        EdumanUni_CamauVKC.dbo.CTDTLop AS L INNER JOIN
            EdumanUni_CamauVKC.dbo.Hocky AS HK ON L.MaHK = HK.MaHK
GROUP BY L.MaL, HK.MaHK, HK.Hocky, HK.Ngaybatdau, HK.Ngayketthuc, HK.Sotuan;
GO
```

EXEC sys.sp_addextendedproperty @name=N'MS_DiagramPane1',
@value=N'[0E232FF0-B466-11cf-A24F-00AA00A3EFFF, 1.00]

Begin DesignProperties =

Begin PaneConfigurations =

Begin PaneConfiguration = 0

NumPanes = 4

Configuration = "(H (1[16] 4[13] 2[33] 3))"

End

Begin PaneConfiguration = 1

NumPanes = 3

Configuration = "(H (1 [50] 4 [25] 3))"

End

Begin PaneConfiguration = 2

NumPanes = 3

Configuration = "(H (1 [50] 2 [25] 3))"

End

Begin PaneConfiguration = 3

NumPanes = 3

Configuration = "(H (4 [30] 2 [40] 3))"

End

Begin PaneConfiguration = 4

NumPanes = 2

Configuration = "(H (1 [56] 3))"

End

Begin PaneConfiguration = 5

```

    NumPanels = 2
    Configuration = "(H (2 [66] 3))"
End
Begin PaneConfiguration = 6
    NumPanels = 2
    Configuration = "(H (4 [50] 3))"
End
Begin PaneConfiguration = 7
    NumPanels = 1
    Configuration = "(V (3))"
End
Begin PaneConfiguration = 8
    NumPanels = 3
    Configuration = "(H (1[56] 4[18] 2) )"
End
Begin PaneConfiguration = 9
    NumPanels = 2
    Configuration = "(H (1 [75] 4))"
End
Begin PaneConfiguration = 10
    NumPanels = 2
    Configuration = "(H (1[66] 2) )"
End
Begin PaneConfiguration = 11
    NumPanels = 2
    Configuration = "(H (4 [60] 2))"
End
Begin PaneConfiguration = 12
    NumPanels = 1
    Configuration = "(H (1) )"
End
Begin PaneConfiguration = 13
    NumPanels = 1
    Configuration = "(V (4))"
End
Begin PaneConfiguration = 14
    NumPanels = 1
    Configuration = "(V (2))"
End
ActivePaneConfig = 0
End
Begin DiagramPane =
    Begin Origin =
        Top = 0
        Left = 0
    End
    Begin Tables =
    End

```

```

End
Begin SQLPane =
End
Begin DataPane =
    Begin ParameterDefaults = ""
    End
    Begin ColumnWidths = 9
        Width = 284
        Width = 1500
        Width = 1500
        Width = 1500
        Width = 1500
        Width = 1500
        Width = 1500
        Width = 1500
    End
End
Begin CriteriaPane =
    Begin ColumnWidths = 11
        Column = 1440
        Alias = 900
        Table = 1170
        Output = 720
        Append = 1400
        NewValue = 1170
        SortType = 1350
        SortOrder = 1410
        GroupBy = 1350
        Filter = 1350
        Or = 1350
        Or = 1350
        Or = 1350
    End
End
End
', @level0type=N'SCHEMA',@level0name=N'dbo',
@level1type=N'VIEW',@level1name=N'web_HockyTN'
GO

EXEC sys.sp_addextendedproperty @name=N'MS_DiagramPaneCount', @value=1 ,
@level0type=N'SCHEMA',@level0name=N'dbo',
@level1type=N'VIEW',@level1name=N'web_HockyTN'
GO

```

#71./* View [dbo].[web_SinhvienTinhtrang]
30/09/2025 7:49:52 AM *****Phát sinh mới */

Script Date:

SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

```
CREATE VIEW [dbo].[web_SinhvienTinhtrang]
AS
SELECT      MaSV, Quyetdinh, Ngaybatdau, Ngayketthuc, (CASE WHEN Noidung =
N'Chuyển học tiếp' THEN N'Chuyển học tiếp' ELSE Lydo END) AS Lydo, Quyetdinhhoctiep
FROM        dbo.QTHoctap
WHERE       (Noidung = N'Bảo lưu') AND (MaSVcu IS NULL) OR
            (Noidung = N'Thôi học') OR
            (Noidung = N'Chuyển học tiếp')

UNION
SELECT      dbo.Sinhvien.MaSV, dbo.QuyetdinhTN.So, dbo.QuyetdinhTN.Ngayky, NULL
AS Ngaykt, dbo.QuyetdinhTN.Noidung, " AS Ghithem
FROM        dbo.Sinhvien INNER JOIN
            dbo.QuyetdinhTN ON dbo.Sinhvien.MaQDTN = dbo.QuyetdinhTN.MaQDTN

GO
```

EXEC sys.sp_addextendedproperty @name=N'MS_DiagramPane1',
@value=N'[0E232FF0-B466-11cf-A24F-00AA00A3EFFF, 1.00]

Begin DesignProperties =

Begin PaneConfigurations =

Begin PaneConfiguration = 0

NumPanes = 4

Configuration = "(H (1[22] 4[8] 2[33] 3))"

End

Begin PaneConfiguration = 1

NumPanes = 3

Configuration = "(H (1 [50] 4 [25] 3))"

End

Begin PaneConfiguration = 2

NumPanes = 3

Configuration = "(H (1 [50] 2 [25] 3))"

End

Begin PaneConfiguration = 3

NumPanes = 3

Configuration = "(H (4 [30] 2 [40] 3))"

End

Begin PaneConfiguration = 4

NumPanes = 2

Configuration = "(H (1 [56] 3))"

```

End
Begin PaneConfiguration = 5
    NumPanes = 2
    Configuration = "(H (2 [66] 3))"
End
Begin PaneConfiguration = 6
    NumPanes = 2
    Configuration = "(H (4 [50] 3))"
End
Begin PaneConfiguration = 7
    NumPanes = 1
    Configuration = "(V (3))"
End
Begin PaneConfiguration = 8
    NumPanes = 3
    Configuration = "(H (1[56] 4[18] 2) )"
End
Begin PaneConfiguration = 9
    NumPanes = 2
    Configuration = "(H (1 [75] 4))"
End
Begin PaneConfiguration = 10
    NumPanes = 2
    Configuration = "(H (1[66] 2) )"
End
Begin PaneConfiguration = 11
    NumPanes = 2
    Configuration = "(H (4 [60] 2))"
End
Begin PaneConfiguration = 12
    NumPanes = 1
    Configuration = "(H (1) )"
End
Begin PaneConfiguration = 13
    NumPanes = 1
    Configuration = "(V (4))"
End
Begin PaneConfiguration = 14
    NumPanes = 1
    Configuration = "(V (2))"
End
ActivePaneConfig = 0
End
Begin DiagramPane =
    Begin Origin =
        Top = 0
        Left = -952
    End

```



```

Begin Tables =
End
End
Begin SQLPane =
End
Begin DataPane =
Begin ParameterDefaults = ""
End
Begin ColumnWidths = 9
Width = 284
Width = 1500
Width = 1500
Width = 1500
Width = 1500
Width = 2175
Width = 1500
Width = 1500
Width = 1500
End
End
Begin CriteriaPane =
Begin ColumnWidths = 11
Column = 1440
Alias = 900
Table = 1170
Output = 720
Append = 1400
NewValue = 1170
SortType = 1350
SortOrder = 1410
GroupBy = 1350
Filter = 1350
Or = 1350
Or = 1350
Or = 1350
End
End
End
', @level0type=N'SCHEMA',@level0name=N'dbo',
@level1type=N'VIEW',@level1name=N'web_SinhvienTinhtrang'
GO

```

```

EXEC sys.sp_addextendedproperty @name=N'MS_DiagramPaneCount', @value=1 ,
@level0type=N'SCHEMA',@level0name=N'dbo',
@level1type=N'VIEW',@level1name=N'web_SinhvienTinhtrang'
GO

```

