

#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](

 [MaCSV] [nvarchar](10) NOT NULL,
 [ChucvuSV] [nvarchar](100) NOT NULL,
 [TT] [int] NULL,
 [Macdinh] [bit] NULL,

CONSTRAINT [PK_ChucvuSV] PRIMARY KEY CLUSTERED

(

 [MaCSV] 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,  
[Khongtinhdiem] [bit] NULL,  
[Giaidoan2] [bit] NULL,  
[KhongtinhdiemHB] [bit] NULL,  
[Khonghiendiem] [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_CTDL_Dieukien] DEFAULT (0)  
FOR [Dieukien]  
GO
```

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

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

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

```
ALTER TABLE [dbo].[CTDTLop] ADD DEFAULT (0) FOR [KhongtinhdiemHB]
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_CTDTCT_Hocphan] FOREIGN KEY([MaHP])
REFERENCES [dbo].[Hocphan] ([MaHP])
ON UPDATE CASCADE
GO
```

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

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

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

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

```
ALTER TABLE [dbo].[CTDTLop] CHECK CONSTRAINT [FK_CTDTLop_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_Macdinh] DEFAULT ((0))
FOR [Macdinh]
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,
    [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_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,
[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_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 [Nhacnopdethi]
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,
    [Holon] [nvarchar](100) NULL,
    [Ten] [nvarchar](50) NULL,
    [Hoten] [nvarchar](200) NULL,
    [Vieattat] [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,  
[Khenthaluong] [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,  
    [Viетtат] [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,  
    [Viegett] [nvarchar](100) NOT NULL,  
    [MaLoaiHP] [nvarchar](10) NULL,  
    [Maso] [nvarchar](20) NULL,  
    [HocphanEN] [nvarchar](200) NULL,  
    [ViegettEN] [nvarchar](100) NULL,  
    [HocphanVN] [nvarchar](200) NULL,  
    [ViegettVN] [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 [Hockey]      Script Date: 27/06/2025 10:17:22 AM
*****/
```

```
SET ANSI_NULLS ON
GO
```

```
SET QUOTED_IDENTIFIER ON
GO
```

```
CREATE TABLE [dbo].[Hockey](
    [MaHK] [nvarchar](10) NOT NULL,
    [Hockey] [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_Hockey] 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].[Hockey] ADD CONSTRAINT [DF_Hockey_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,
    [Buoi] [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,
[Sotiettuan] [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,
[GhichuDGGCK] [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,
[Dangkyhoctungay] [datetime] NULL,
[Dangkyhocdenngay] [datetime] NULL,
[GuiFileNhapdiem] [bit] NULL,
[ThoigianGuiFileNhapdiem] [datetime] NULL,
[GDTC] [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_Tochuchhomthi] 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 [GuiFileNhApdiem]
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_Loaiphieuthu] FOREIGN KEY([MaLPT])
REFERENCES [dbo].[Loaiphieuthu] ([MaLPT])
ON UPDATE CASCADE
GO

```

```

ALTER TABLE [dbo].[Hocphi] CHECK CONSTRAINT [FK_Hocphi_Loaiphieuthu]
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,
[Fld01] [nvarchar](250) NULL,
[Fld02] [datetime] NULL,
[Fld03] [int] NULL,
[Fld04] [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,
[Fld05] [nvarchar](250) NULL,

[FlId06] [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,
[FlId07] [nvarchar](250) NULL,
[FlId08] [bit] NULL,
[FlId09] [bit] NULL,
[GhichuDieukienTN] [nvarchar](200) NULL,
[HabacTN] [nvarchar](200) NULL,
[KLTN] [bit] NULL,
[GhichuKLTNXet] [nvarchar](200) NULL,
[GhichuKLTDetai] [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,
[FlId10] [nvarchar](250) NULL,
[MaGVHD2] [nvarchar](10) NULL,
[BaoveLA] [int] NULL,
[GhichuBaoveLA] [nvarchar](200) NULL,
[FlId11] [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_QuyetdinhTN] 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([Flid11])
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,
[Sotietnghi] [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,
[ThoiganThongbaodiem] [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_HocphiLopHockey] 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_HocphiLopHockey](  
    [MaL] [nvarchar](10) NOT NULL,  
    [MaHK] [nvarchar](10) NOT NULL,  
    [HocphiThang] [int] NULL,  
    [MaKT] [nvarchar](50) NULL,  
CONSTRAINT [PK_db_HocphiLopHockey] 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_HocphiLopHockey] WITH CHECK ADD CONSTRAINT
[FK_db_HocphiLopHockey_Hockey] FOREIGN KEY([MaHK])
REFERENCES [dbo].[Hockey] ([MaHK])
ON UPDATE CASCADE
GO
```

```
ALTER TABLE [dbo].[db_HocphiLopHockey] CHECK CONSTRAINT
[FK_db_HocphiLopHockey_Hockey]
GO
```

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

```
ALTER TABLE [dbo].[db_HocphiLopHockey] CHECK CONSTRAINT
[FK_db_HocphiLopHockey_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 ***** Chưa 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,  
    [NgayKethuc] [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,  
    [Holon] [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,
[FId01] [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([MaQDTT])

REFERENCES [dbo].[QuyetdinhTT] ([MaQDTT])

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,
 [DiadiemNhaphoc] [nvarchar](250) NULL,
 [DiadiemThutuc] [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,
    [NgoiKy] [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,
[LPnguoinop] [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,
[BHoandien_Tien] [int] NULL,

```
[KhamSK_Tien] [int] NULL,
[Nguoitru_LPnhaphoc] [nvarchar](200) NULL,
[Ngaytru_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].[DotXTNganhhoc] WITH CHECK ADD CONSTRAINT  
[FK_DotXTNganhhoc_DotXT] FOREIGN KEY([MaDXT])  
REFERENCES [dbo].[DotXT] ([MaDXT])  
ON UPDATE CASCADE  
GO
```

```
ALTER TABLE [dbo].[DotXTNganhhoc] CHECK CONSTRAINT  
[FK_DotXTNganhhoc_DotXT]  
GO
```

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

```
ALTER TABLE [dbo].[DotXTNganhhoc] CHECK CONSTRAINT  
[FK_DotXTNganhhoc_Nganhhoc]  
GO
```

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

```
SET ANSI_NULLS ON  
GO
```

```
SET QUOTED_IDENTIFIER ON  
GO
```

```
CREATE TABLE [dbo].[DotXTNganhhocTohopXT](  
    [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_TinhdoVanhao] 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_TinhdoVanhao](  
    [TinhdoVH] [nvarchar](50) NOT NULL,  
CONSTRAINT [PK_db_TinhdoVanhao] 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,
    [Vieattat] [nvarchar](50) NOT NULL,
    [HocviEN] [nvarchar](100) NULL,
    [VieattatEN] [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 LoaiinhDT, L.Soluong AS SoluongBD,
SUM(CASE WHEN SV.Tinhtrang = 3 THEN 1 ELSE 0 END) AS SoluongTN
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.Soluong
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.BacDTViettat, 2)
= 'TC' THEN N'Tín chỉ' ELSE N'Niên ché' END AS LoaiinhDT, L.Soluong,
SUM(CASE WHEN SV.Tinhtrang = 3 THEN 1 ELSE 0 END) AS SoluongTN
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.BacDTViettat, 2) = 'TC' THEN N'Tín chỉ' ELSE N'Niên ché' END,
L.Soluong
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
            NumPanes = 4
            Configuration = "(H (1[14] 4[12] 2[36] 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
    End
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 = 12
        Width = 284
        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_QuyetdinhTN]
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_QuyetdinhTN]
AS
SELECT MaQDTN, So, Ngayky, Nguoiky
FROM Daotao_CamauVKC.dbo.QuyetdinhTN
WHERE MaQDTN <> '000'
UNION
SELECT MaQDTN, So, Ngayky, Nguoiky
FROM EdumanUni_CamauVKC.dbo.QuyetdinhTN;
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[26] 4[14] 2[20] 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 = 0
    End
    Begin Tables =
    End
End
Begin SQLPane =
End
Begin DataPane =
    Begin ParameterDefaults = ""
    End
    Begin ColumnWidths = 9
        Width = 284
        Width = 1500
        Width = 1500
    End
End
Begin CriteriaPane =
    Begin ColumnWidths = 11
        Column = 1440
        Alias = 900
        Table = 1170
        Output = 720
        Append = 1400
    End
End
```

```

    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
            NumPanes = 4
            Configuration = "(H (1[24] 4[12] 2[19] 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 = 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
```


#70/* View [dbo].[web_HockeyTN] 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_HockeyTN]
AS
SELECT L.MaL, L.MaHK2 AS MaHK, L.Hockey, L.Ngaybatdau, L.Ngayketthuc, L.Sotuan
FROM Daotao_CamauVKC.dbo.LopHockey AS L
UNION
SELECT L.MaL, HK.MaHK, HK.Hockey, HK.Ngaybatdau, HK.Ngayketthuc, HK.Sotuan
FROM EdumanUni_CamauVKC.dbo.CTDTLop AS L INNER JOIN
EdumanUni_CamauVKC.dbo.Hockey AS HK ON L.MaHK = HK.MaHK
GROUP BY L.MaL, HK.MaHK, HK.Hockey, 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

```
    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 = 0
    End
    Begin Tables =
    End
```

```
End
Begin SQLPane =
End
Begin DataPane =
Begin ParameterDefaults = ""
End
Begin ColumnWidths = 9
    Width = 284
    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_HockeyTN'
GO
```

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

