CREATE TABLE [dbo].[Customers] (

[CustomerId] INT IDENTITY (1, 1) NOT NULL,

[Name] NVARCHAR (50) NULL,

[Password] NVARCHAR (50) NULL,

CONSTRAINT [PK\_Customers] PRIMARY KEY CLUSTERED ([CustomerId] ASC)

);

CREATE TABLE [dbo].[Orders] (

[OrderId] INT IDENTITY (1, 1) NOT NULL,

[CustomerId] INT NOT NULL,

[OrderDate] DATETIME2 (7) NOT NULL,

[Deadline] DATETIME2 (7) NOT NULL,

CONSTRAINT [PK\_Orders] PRIMARY KEY CLUSTERED ([OrderId] ASC),

FOREIGN KEY ([CustomerId]) REFERENCES Customers([CustomerId])

);

CREATE TABLE [dbo].[Users] (

[UserId] INT IDENTITY (1, 1) NOT NULL,

[Name] NVARCHAR (50) NULL,

[Password] NVARCHAR (50) NULL,

CONSTRAINT [PK\_Users] PRIMARY KEY CLUSTERED ([UserId] ASC)

);

CREATE TABLE [dbo].[WorkCenters] (

[WorkCenterId] INT IDENTITY (1, 1) NOT NULL,

[WorkCenterName] NVARCHAR (50) NULL,

[Active] BIT NOT NULL,

CONSTRAINT [PK\_WorkCenters] PRIMARY KEY CLUSTERED ([WorkCenterId] ASC)

);

CREATE TABLE [dbo].[WorkCenterOperations] (

[WcOprId] INT IDENTITY (1, 1) NOT NULL,

[WorkCenterId] INT NOT NULL,

[OperationId] INT NOT NULL,

[Speed] INT NOT NULL,

CONSTRAINT [PK\_WorkCenterOperations] PRIMARY KEY CLUSTERED ([WcOprId] ASC),

FOREIGN KEY ([WorkCenterId]) REFERENCES [dbo].[WorkCenters] ([WorkCenterId]),

FOREIGN KEY ([OperationId]) REFERENCES [dbo].[Operations] ([OperationId])

);

CREATE TABLE [dbo].[SubProductTrees] (

[SubProductId] INT IDENTITY (1, 1) NOT NULL,

[ProductId] INT NOT NULL,

[Amount] INT NOT NULL,

CONSTRAINT [PK\_SubProductTrees] PRIMARY KEY CLUSTERED ([SubProductId] ASC),

FOREIGN KEY ([ProductId]) REFERENCES [dbo].[Products] ([ProductId])

);

CREATE TABLE [dbo].[Products] (

[ProductId] INT IDENTITY (1, 1) NOT NULL,

[ProductName] NVARCHAR (50) NULL,

[ProductType] NVARCHAR (50) NULL,

[IsSalable] BIT NOT NULL,

CONSTRAINT [PK\_Products] PRIMARY KEY CLUSTERED ([ProductId] ASC)

);

CREATE TABLE [dbo].[OrderItems] (

[OrderItemId] INT IDENTITY (1, 1) NOT NULL,

[OrderId] INT NOT NULL,

[ProductId] INT NOT NULL,

[Amount] INT NOT NULL,

CONSTRAINT [PK\_OrderItems] PRIMARY KEY CLUSTERED ([OrderItemId] ASC),

FOREIGN KEY ([OrderId]) REFERENCES [dbo].[Orders] ([OrderId]),

FOREIGN KEY ([ProductId]) REFERENCES [dbo].[Products] ([ProductId])

);

CREATE TABLE [dbo].[Operations] (

[OperationId] INT IDENTITY (1, 1) NOT NULL,

[OperationName] NVARCHAR (50) NULL,

[ProductType] NVARCHAR (50) NULL,

CONSTRAINT [PK\_Operations] PRIMARY KEY CLUSTERED ([OperationId] ASC)

);