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/*
*****
*****/
/* Criando o Database Exemplo
*/
/*Script_01
*/
/*
*****
*****/
CREATE DATABASE Exemplo
GO
/*
*****
*****/
/* Estabelecendo uma Conexão com o Database Exemplo
*/
/*
*****
*****/

USE Exemplo
GO

/*
*****
*****/
/* Criando as tabelas do database SYSAMPLE
*/
/*
*****
*****/
CREATE TABLE TipoEnd
(
    Cod_TipoEnd    int identity not null,

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Nome_TipoEnd  varchar(30)      not null,
Constraint PK_TipoEnd Primary Key(Cod_TipoEnd),
Constraint UQ_TipoEnd Unique(Nome_TipoEnd)
)
GO
CREATE TABLE Estado
(
  Sigla_Est  char(02)      not null,
  Nome_Est   varchar(100) not null,

  Constraint PK_Est Primary Key(Sigla_Est),
  Constraint UQ_Est Unique(Nome_Est)
)
GO
CREATE TABLE Cidade
(
  Cod_Cid     int Identity Not Null,
  Sigla_Est   char(02)      Not Null,
  Nome_Cid    varchar(100) Not Null,

  Constraint PK_Cid Primary Key(Cod_Cid),
  Constraint FK_Cid Foreign Key(Sigla_Est)
References Estado(Sigla_Est),
  Constraint UQ_Cid Unique(Sigla_Est, Nome_Cid)
)
GO
CREATE TABLE TipoCli
(
  Cod_TipoCli  int identity not null,
  Nome_TipoCli varchar(100) not null,

  Constraint PK_TipoCli Primary key(Cod_TipoCli),
  Constraint UQ_TipoCli Unique(Nome_TipoCli)
)
GO

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CREATE TABLE Cliente
(
    Cod_Cli          int Identity          not null,
    Cod_TipoCli      int                    not null,
    Nome_Cli         varchar(100)          not null,
    Data_CadCli      smalldatetime not null Default
Getdate(),
    Renda_Cli        decimal(10,2) not null Default 0,
    Sexo_Cli         char(01)              not null
Default 'F',

    Constraint PK_Cli Primary Key(Cod_Cli),
    Constraint FK_Cli Foreign
Key(Cod_TipoCli)References TipoCli(Cod_TipoCli),
    Constraint CH_Cli1 Check(Renda_Cli >=0),
    Constraint CH_Cli2 Check(Sexo_Cli IN('F','M'))
)
GO
CREATE TABLE Conjuge
(
    Cod_Cli          int                    not
null,
    Nome_Conj        char(30)              not null,
    Renda_Conj        decimal(10,2) not null Default 0,
    Sexo_Conj         char(01)              not null
Default 'M',
    Constraint PK_Conj Primary Key(Cod_Cli),
    Constraint FK_Conj Foreign Key(Cod_Cli)
References Cliente(Cod_Cli),
    Constraint CH_Conj1 Check(Renda_Conj >=0),
    Constraint CH_Conj2 Check(Sexo_Conj IN ('F','M'))
)
GO
CREATE TABLE Endereco
(

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Cod_End          int identity      not null,
Cod_TipoEnd      int                not null,
Cod_Cid          int                not null,
Cod_Cli          int                not null,
Nome_Rua         varchar(100)      not null,
Nome_Bairro      varchar(100)      not null,
Compl_End        varchar(100)      null,

Constraint PK_End Primary Key(Cod_End),
Constraint FK_End1 Foreign Key(Cod_TipoEnd)
References TipoEnd(Cod_TipoEnd),
Constraint FK_End2 Foreign Key(Cod_Cid)
References Cidade(Cod_Cid),
Constraint FK_End3 Foreign Key(Cod_Cli)
References Cliente(Cod_Cli)
)
GO
CREATE TABLE Credito
(
    Num_Lanc       int identity      not null,
    Cod_Cli        int                not null,
    Cred_Cli       decimal(10,2) not null,
    Data_CredCli   smalldatetime not null,
    Constraint PK_Cred Primary Key(Num_Lanc),
    Constraint FK_Cred Foreign Key(Cod_Cli)
References Cliente(Cod_Cli),
    Constraint CH_Cred Check(Cred_Cli > 0)
)
GO
CREATE TABLE Fone
(
    Num_Lanc       int identity      not null,
    Cod_Cli        int                not null,
    Num_Fone       char(10)          not null,
    Num_DDD        char(05)          not null Default '011',

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        Constraint PK_Fone Primary Key(Num_Lanc),
        Constraint FK_Fone Foreign Key(Cod_Cli)
References Cliente(Cod_Cli)
)
GO
CREATE TABLE EMail
(
    Num_Lanc int identity not null,
    Cod_Cli int not null,
    EMail_Cli varchar(255) not null,
    Constraint PK_Email Primary Key(Num_Lanc),
    Constraint FK_Emails Foreign Key(Cod_Cli)
References Cliente(Cod_Cli)
)
GO
CREATE TABLE StatusPedido
(
    Cod_Sta smallint identity not null,
    Sta_Ped varchar(100) not null,
    Constraint PK_StatusPed Primary Key(Cod_Sta),
    Constraint UQ_StatusPed Unique(Sta_Ped)
)
GO
CREATE TABLE Funcionario
(
    Cod_Func int Identity not null,
    Nome_Func varchar(100) not null,
    Data_CadFunc smalldatetime not null Default
Getdate(),
    Sexo_Func char(01) not null Default
'F',
    Sal_Func decimal(10,2) not null Default 200,
    End_Func varchar(100) not null,

    Constraint PK_Func Primary Key(Cod_Func),

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    Constraint CH_Func1 Check(Data_CadFunc
>=Getdate()),
    Constraint CH_Func2 Check(Sexo_Func IN
('F','M')),
    Constraint CH_Func3 Check(Sal_Func >=0)
)
GO
CREATE TABLE Bonus
(
    Num_Lanc    int identity    not null,
    Cod_Func    int              not null,
    Data_Bonus  smalldatetime  not null default
Getdate(),
    Val_Bonus   decimal(10,2)  not null,

    Constraint PK_Bonus Primary Key(Num_Lanc),
    Constraint FK_Bonus Foreign Key(Cod_Func)
References Funcionario(Cod_Func),
    Constraint CH_Bonus1 Check(Data_Bonus >=
Getdate()),
    Constraint CH_Bonus2 Check(Val_Bonus > 0)
)
GO
CREATE TABLE Pontuacao
(
    Num_Lanc    int identity    not null,
    Cod_Func    int              not null,
    Data_Pto    smalldatetime  not null default
Getdate(),
    Pto_Func    decimal(4,2)    not null,

    Constraint PK_Pto Primary Key(Num_Lanc),
    Constraint FK_Pto Foreign Key(Cod_Func)
References Funcionario(Cod_Func),
    Constraint CH_Pto1 Check(Data_Pto >= Getdate()),

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    Constraint CH_Pto2 Check(Pto_Func > 0)
)
GO
CREATE TABLE Historico
(
    Num_Lanc    int identity not null,
    Cod_Func    int          not null,
    Data_Hist   smalldatetime not null Default
Getdate(),
    Sal_Ant     decimal(10,2) not null,
    Sal_Atual   decimal(10,2) not null,

    Constraint PK_Hist Primary Key(Num_Lanc),
    Constraint FK_Hist Foreign Key(Cod_Func)
References Funcionario(Cod_Func),
    Constraint CH_Hist1 Check(Data_Hist >=
Getdate()),
    Constraint CH_Hist2 Check(Sal_Ant >= 0),
    Constraint CH_Hist3 Check(Sal_Ant > 0)
)
GO
CREATE TABLE Dependente
(
    Cod_Dep      int identity not null,
    Cod_Func      int          not null,
    Nome_Dep     varchar(100) not null,
    Data_NascDep smalldatetime not null,
    Sexo_Dep     char(01)      not null Default
'F',

    Constraint PK_Dep Primary Key(Cod_Dep),
    Constraint FK_Dep Foreign Key(Cod_Func)References
Funcionario(Cod_Func),
    Constraint CH_Dep Check(Sexo_Dep IN ('F', 'M'))
)

```

GO

CREATE TABLE Pedido

```
(
    Num_Ped    int identity    not null,
    Cod_Cli    int              not null,
    Cod_Func    int              not null,
    Cod_Sta    smallint         not null,
    Data_Ped    smalldatetime  not null Default
getdate(),
    Val_Ped    decimal(10,2) not null Default 0,

    Constraint PK_Pedido Primary Key(Num_Ped),
    Constraint FK_Pedido1 Foreign Key(Cod_Cli)
References Cliente(Cod_Cli),
    Constraint FK_Pedido2 Foreign Key(Cod_Cli)
References Funcionario(Cod_Func),
    Constraint CH_Pedido1 Check(Data_Ped
>=getdate()),
    Constraint CH_Pedido2 Check(Val_Ped >=0)
)
```

GO

CREATE TABLE Parcela

```
(
    Num_Par    smallint         not null,
    Num_Ped    int              not null,
    Data_Venc  smalldatetime  not null Default
getdate(),
    Val_Venc   decimal(10,2)    not null,
    Data_Pgto  smalldatetime    null,
    Val_Pgto   as
        CASE
            WHEN Data_Pgto < Data_Venc THEN
Val_Venc * 0.9
            WHEN Data_Pgto = Data_Venc THEN
Val_Venc
```



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        WHEN Data_Pgto > Data_Venc THEN
Val_Venc * 1.1
        END,

        Constraint PK_Parcela      Primary
key(Num_Par,Num_Ped),
        Constraint FK_Parcela      Foreign
Key(Num_Ped)References Pedido(Num_Ped),
        Constraint CH_Parcela1 Check(Data_Venc >=
getdate()),
        Constraint CH_Parcela2 Check(Val_Venc >= 0),
    )
GO
CREATE TABLE TipoProd
(
    Cod_TipoProd  int identity not null,
    Nome_TipoProd varchar(100) not null,

    Constraint PK_TipoProd Primary Key(Cod_TipoProd),
    Constraint UQ_TipoProd Unique(Nome_TipoProd)
)
GO
CREATE TABLE Produto
(
    Cod_Prod          int identity          not null,
    Cod_TipoProd      int                    not null,
    Nome_Prod         varchar(100)          not null,
    Qtd_EstqProd      int                    not null
Default 0,
    Val_UnitProd      decimal(10,2) not null,
    Val_Total         AS Qtd_EstqProd *
Val_UnitProd,
    Constraint PK_Prod Primary Key(Cod_Prod),
    Constraint FK_Prod Foreign Key(Cod_TipoProd)
References TipoProd(Cod_TipoProd),

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        Constraint UQ_Prod Unique(Nome_Prod),
        Constraint CH_Prod1 Check(Qtd_EstqProd >= 0),
        Constraint CH_Prod2 Check(Val_UnitProd > 0)
    )
GO
CREATE TABLE Itens
(
    Num_Ped      int          not null,
    Cod_Prod     int          not null,
    Qtd_Vend     int          not null,
    Val_Vend     decimal(10,2) not null,

    Constraint PK_Items Primary
Key(Num_Ped,Cod_Prod),
    Constraint FK_Items1 Foreign Key(Num_Ped)
References Pedido(Num_Ped),
    Constraint FK_Items2 Foreign Key(Cod_Prod)
References Produto(Cod_Prod),
    Constraint CH_Items1 Check(Qtd_Vend > 0),
    Constraint CH_Items2 Check(Val_Vend > 0)
)
GO
/*
*****
*****/
/* Verificando a Criação da Tabelas do Database
SYSAMPLES          */
/*
*****
*****/
SELECT * FROM Information_Schema.Tables
WHERE Table_Type = 'Base Table'
/*
*****
*****/

```