CREATE TABLE [UTILIZADORES]

(

[ID] int IDENTITY (1, 1) NOT NULL PRIMARY KEY,

[USERNAME] varchar(100) NOT NULL ,

[PASSWORD] varchar(50) NOT NULL ,

[DIA\_FUNCIONARIO] int NOT NULL ,

[ADMIN] bit NOT NULL

);

GO

CREATE TABLE [CATEGORIAS]

(

[ID] int IDENTITY (1, 1) NOT NULL PRIMARY KEY,

[USER\_ID] int NOT NULL ,

[NOME] varchar(50) NOT NULL ,

);

GO

CREATE NONCLUSTERED INDEX [FK\_1] ON [CATEGORIAS]

(

[USER\_ID] ASC

)

GO

CREATE TABLE [GANHOS]

(

[ID] int IDENTITY NOT NULL PRIMARY KEY,

[USER\_ID] int NOT NULL ,

[DESCRICAO] varchar(200) NOT NULL ,

[VALOR] float NOT NULL ,

[DATA] datetime NOT NULL

);

GO

CREATE NONCLUSTERED INDEX [FK\_1] ON [GANHOS]

(

[USER\_ID] ASC

)

GO

CREATE TABLE [TIPOS\_INVESTIMENTOS]

(

[ID] int IDENTITY (1, 1) NOT NULL ,

[TIPO] varchar(50) NOT NULL ,

CONSTRAINT [PK\_1] PRIMARY KEY CLUSTERED ([ID] ASC)

);

GO

CREATE TABLE [INVESTIMENTOS]

(

[ID] int IDENTITY (1, 1) NOT NULL PRIMARY KEY,

[USER\_ID] int NOT NULL ,

[TIPO\_INVESTIMENTO] int NOT NULL ,

[DESCRICAO] varchar(100) NOT NULL ,

[VALOR\_INVESTIDO] float NOT NULL ,

[DATA] datetime NOT NULL

);

GO

CREATE NONCLUSTERED INDEX [FK\_1] ON [INVESTIMENTOS]

(

[USER\_ID] ASC

)

GO

CREATE NONCLUSTERED INDEX [FK\_2] ON [INVESTIMENTOS]

(

[TIPO\_INVESTIMENTO] ASC

)

GO

CREATE TABLE [CARGOS]

(

[ID] int IDENTITY (1, 1) NOT NULL PRIMARY KEY,

[USER\_ID] int NOT NULL ,

[NOME] varchar(50) NOT NULL ,

);

GO

CREATE NONCLUSTERED INDEX [FK\_1] ON [CARGOS]

(

[USER\_ID] ASC

)

GO

CREATE TABLE [FUNCIONARIOS]

(

[ID] int IDENTITY (1, 1) NOT NULL PRIMARY KEY,

[USER\_ID] int NOT NULL ,

[NOME] varchar(200) NOT NULL ,

[SALARIO] float NOT NULL ,

[ID\_CARGO] int NOT NULL

);

GO

CREATE NONCLUSTERED INDEX [FK\_1] ON [FUNCIONARIOS]

(

[USER\_ID] ASC

)

GO

CREATE NONCLUSTERED INDEX [FK\_2] ON [FUNCIONARIOS]

(

[ID\_CARGO] ASC

)

GO

CREATE TABLE [DESPESAS]

(

[ID] int IDENTITY (1, 1) NOT NULL PRIMARY KEY,

[USER\_ID] int NOT NULL ,

[DESCRICAO] varchar(200) NOT NULL ,

[VALOR] float NOT NULL,

[DATA] datetime NOT NULL

);

GO

CREATE NONCLUSTERED INDEX [FK\_1] ON [DESPESAS]

(

[USER\_ID] ASC

)

GO

CREATE TABLE [TAREFAS]

(

[ID] int IDENTITY (1, 1) NOT NULL PRIMARY KEY,

[USER\_ID] int NOT NULL ,

[DESCRICAO] varchar(100) NOT NULL,

[CONCLUIDO] bit NOT NULL,

[DATA\_CONCLUSAO] datetime NULL,

);

GO

CREATE NONCLUSTERED INDEX [FK\_1] ON [TAREFAS]

(

[USER\_ID] ASC

)

GO

CREATE TABLE [ESTOQUE]

(

[ID] int IDENTITY (1, 1) NOT NULL PRIMARY KEY,

[USER\_ID] int NOT NULL ,

[PRODUTO] varchar(50) NOT NULL ,

[QUANTIDADE] int NOT NULL ,

[ID\_CATEGORIA] int NOT NULL ,

);

GO

CREATE NONCLUSTERED INDEX [FK\_1] ON [ESTOQUE]

(

[USER\_ID] ASC

)

GO

CREATE NONCLUSTERED INDEX [FK\_2] ON [ESTOQUE]

(

[ID\_CATEGORIA] ASC

)

GO

CREATE TABLE [FORNECEDORES]

(

[ID] int IDENTITY (1, 1) NOT NULL PRIMARY KEY,

[USER\_ID] int NOT NULL ,

[NOME] varchar(200) NOT NULL ,

[EMAIL] varchar(200) NOT NULL ,

[TELEFONE] varchar(50) NOT NULL ,

[ID\_CATEGORIA] int NOT NULL

);

GO

CREATE NONCLUSTERED INDEX [FK\_1] ON [FORNECEDORES]

(

[USER\_ID] ASC

)

GO

CREATE NONCLUSTERED INDEX [FK\_2] ON [FORNECEDORES]

(

[ID\_CATEGORIA] ASC

)

GO

CREATE TABLE [HISTORICO\_INVESTIMENTO]

(

[ID] int IDENTITY (1, 1) NOT NULL PRIMARY KEY,

[INVESTIMENTO\_ID] int NOT NULL ,

[VALOR\_TOTAL] float NOT NULL ,

[DATA] datetime NOT NULL ,

);

GO

CREATE NONCLUSTERED INDEX [FK\_1] ON [HISTORICO\_INVESTIMENTO]

(

[INVESTIMENTO\_ID] ASC

)

GO

INSERT INTO UTILIZADORES VALUES ('admin', 'admin', 30, 1);

INSERT INTO TIPOS\_INVESTIMENTOS (TIPO) VALUES ('Ações');

INSERT INTO TIPOS\_INVESTIMENTOS (TIPO) VALUES ('Títulos Públicos');

INSERT INTO TIPOS\_INVESTIMENTOS (TIPO) VALUES ('Criptomoedas');

ALTER TABLE ESTOQUE

ADD CONSTRAINT FK\_Estoque\_Categorias FOREIGN KEY (ID\_CATEGORIA)

REFERENCES CATEGORIAS (ID) ON DELETE CASCADE;

ALTER TABLE FORNECEDORES

ADD CONSTRAINT FK\_Fornecedores\_Categorias FOREIGN KEY (ID\_CATEGORIA)

REFERENCES CATEGORIAS (ID) ON DELETE CASCADE;

ALTER TABLE FUNCIONARIOS

ADD CONSTRAINT FK\_Funcionarios\_Cargos FOREIGN KEY (ID\_CARGO)

REFERENCES CARGOS (ID) ON DELETE CASCADE;