create database Sziget

ON (NAME =Sziget\_dat,

FILENAME = 'H:\Sziget.mdf',

SIZE=10,

MAXSIZE=100,

FILEGROWTH=10)

LOG ON (NAME = Sziget\_Log ,

FILENAME = 'H:\Sziget.ldf',

SIZE=10,

MAXSIZE=100,

FILEGROWTH=10)

USE SZIGET

CREATE TABLE area

(id INT NOT NULL PRIMARY KEY,

name nvarchar(40) NOT NULL,

id\_camp int not null,

id\_food int not null

)

CREATE TABLE scene(

id INT NOT NULL PRIMARY KEY,

id\_area INT NOT NULL,

id\_performer INT NOT NULL,

name nvarchar(40),

id\_volunteer int,

id\_sponsor int,

CONSTARINT fk\_scene\_area FOREIGN KEY (id\_area) REFERENCES area(id),

CONSTARINT fk\_scene\_perfomer FOREIGN KEY (id\_performer) REFERENCES performers(id),

CONSTARINT fk\_scene\_volunteer FOREIGN KEY (id\_volunteer) REFERENCES volunteer(id),

CONSTARINT fk\_sponsor\_scene FOREIGN KEY (id\_sponsor) REFERENCES sponsor(id),

)

CREATE TABLE ticket(

id INT NOT NULL PRIMARY KEY,

id\_ticket\_type INT NOT NULL,

id\_area INT NOT NULL,

id\_visitor INT NOT NULL,

CONSTARINT fk\_ticket\_type FOREIGN KEY (id\_ticket\_type) REFERENCES ticket\_type(id),

CONSTARINT fk\_ticket\_area FOREIGN KEY (id\_area) REFERENCES area(id)

CONSTARINT fk\_ticket\_visitor FOREIGN KEY (id\_visitor) REFERENCES visitor(passport\_id)

)

CREATE TABLE ticket\_type(

id INT NOT NULL PRIMARY KEY,

name nvarchar(40),

description nvarchar(100)

)

CREATE TABLE visitor(

passport\_id INT NOT NULL PRIMARY KEY,

vname nvarchar(40),

vsurname nvarchar(40),

CONSTRAINT unique\_visitor UNIQUE NONCLUSTERED (passport\_id)

)

CREATE TABLE perfomers(

id INT NOT NULL PRIMARY KEY,

pname nvarchar(40),

psurname nvarchar(40),

bandname nvarchar(40),

country nvarchar(40),

date\_arrive smalldatetime,

date\_leave smalldatetime,

id\_program int,

id\_equipment int,

id\_day,

CONSTARINT fk\_performers\_day FOREIGN KEY (id\_day) REFERENCES day(id),

CONSTARINT fk\_program\_performers FOREIGN KEY (id\_program) REFERENCES program(id),

CONSTARINT fk\_performers\_equipment FOREIGN KEY (id\_equipment) REFERENCES equipment(id),

CONSTRAINT unique\_bandname UNIQUE NONCLUSTERED (bandname)

)

CREATE TABLE camping(

id INT NOT NULL PRIMARY KEY,

name nvarchar(15),

conditions nvarchar(35) ,

number\_of\_tents int,

square decimal(6,3)

CONSTRAINT check\_numb\_tents CHECK NOT FOR REPLICATION number\_of\_tents LIKE [1-8],

CONSTARINT fk\_camping\_area FOREIGN KEY (id\_camp) REFERENCES camping(id)

)

CREATE TABLE foodcourt (

id INT NOT NULL PRIMARY KEY,

name nvarchar(15),

number\_of\_tents int,

CONSTARINT fk\_foodcourt\_area FOREIGN KEY (id\_food) REFERENCES foodcourt (id)

)

CREATE TABLE sponsor (

id INT NOT NULL PRIMARY KEY,

name nvarchar(20),

principal nvarchar(20),

representor nvarchar(20)

)

CREATE TABLE volunteer(

id INT NOT NULL PRIMARY KEY,

name nvarchar(20),

surname nvarchar(20),

age tinyint,

sex nvarchar(10),

country nvarchar(20),

CONSTRAINT check\_volunteer\_age CHECK NOT FOR REPLICATION (age IN [18-30])

)

CREATE TABLE day(

id INT NOT NULL PRIMARY KEY,

number\_of\_tickets int,

id\_ticket int,

id\_performer int,

CONSTARINT fk\_ticket\_day FOREIGN KEY (id\_ticket) REFERENCES ticket(id),

)

CREATE TABLE equipment(

id INT NOT NULL PRIMARY KEY,

type nvarchar(30),

quantity int

)

CREATE TABLE program(

id INT NOT NULL PRIMARY KEY,

day smalldatetime,

id\_performer int,

id\_scene,

CONSTARINT fk\_program\_scene FOREIGN KEY (id\_scene) REFERENCES scene(id),

)

USE Sziget

CREATE TABLE area

(id INT NOT NULL PRIMARY KEY,

name nvarchar(40) NOT NULL,

id\_camp int not null,

id\_food int not null

)

CREATE TABLE scene(

id INT NOT NULL PRIMARY KEY,

id\_area INT NOT NULL,

id\_performer INT NOT NULL,

name nvarchar(40),

id\_volunteer int,

id\_sponsor int,

constraint fk\_scene\_area FOREIGN KEY(id\_area) REFERENCES area(id),

constraint fk\_scene\_perfomer FOREIGN KEY (id\_performer) REFERENCES performers(id),

CONSTARINT fk\_scene\_volunteer FOREIGN KEY (id\_volunteer) REFERENCES volunteer(id),

constraint fk\_sponsor\_scene FOREIGN KEY (id\_sponsor) REFERENCES sponsor(id),

)

CREATE TABLE ticket(

id INT NOT NULL PRIMARY KEY,

id\_ticket\_type INT NOT NULL,

id\_area INT NOT NULL,

id\_visitor INT NOT NULL,

constraint fk\_ticket\_type FOREIGN KEY (id\_ticket\_type) REFERENCES ticket\_type(id),

constraint fk\_ticket\_area FOREIGN KEY (id\_area) REFERENCES area(id)

constraint fk\_ticket\_visitor FOREIGN KEY (id\_visitor) REFERENCES visitor(passport\_id)

)

CREATE TABLE ticket\_type(

id INT NOT NULL PRIMARY KEY,

name nvarchar(40),

description nvarchar(100)

)

CREATE TABLE visitor(

passport\_id INT NOT NULL PRIMARY KEY,

vname nvarchar(40),

vsurname nvarchar(40),

)

Alter table visitor add CONSTRAINT unique\_visitor UNIQUE NONCLUSTERED (passport\_id)

CREATE TABLE perfomers(

id INT NOT NULL PRIMARY KEY,

pname nvarchar(40),

psurname nvarchar(40),

bandname nvarchar(40),

country nvarchar(40),

date\_arrive smalldatetime,

date\_leave smalldatetime,

id\_program int,

id\_equipment int,

id\_day int not null

)

alter table perfomers add constraint fk\_performers\_day FOREIGN KEY (id\_day) REFERENCES day(id)

alter table perfomers add constraint fk\_program\_performers FOREIGN KEY (id\_program) REFERENCES program(id)

alter table perfomers add constraint fk\_performers\_equipment FOREIGN KEY (id\_equipment) REFERENCES equipment(id)

alter table perfomers add CONSTRAINT unique\_bandname UNIQUE NONCLUSTERED (bandname)

CREATE TABLE camping(

id INT NOT NULL PRIMARY KEY,

name nvarchar(15),

conditions nvarchar(35) ,

number\_of\_tents int,

square decimal(6,3),

CONSTRAINT check\_numb\_tents CHECK NOT FOR REPLICATION number\_of\_tents LIKE [1-8],

constraint fk\_camping\_area FOREIGN KEY (id\_camp) REFERENCES camping(id)

)

CREATE TABLE foodcourt (

id INT NOT NULL PRIMARY KEY,

name nvarchar(15),

number\_of\_tents int,

constraint fk\_foodcourt\_area FOREIGN KEY (id\_food) REFERENCES foodcourt (id)

)

CREATE TABLE sponsor (

id INT NOT NULL PRIMARY KEY,

name nvarchar(20),

principal nvarchar(20),

representor nvarchar(20)

)

CREATE TABLE volunteer(

id INT NOT NULL PRIMARY KEY,

name nvarchar(20),

surname nvarchar(20),

age tinyint,

sex nvarchar(10),

country nvarchar(20),

CONSTRAINT check\_volunteer\_age CHECK NOT FOR REPLICATION (age IN [18-30])

)

CREATE TABLE day(

id INT NOT NULL PRIMARY KEY,

number\_of\_tickets int,

id\_ticket int,

id\_performer int,

constraint fk\_ticket\_day FOREIGN KEY (id\_ticket) REFERENCES ticket(id),

)

CREATE TABLE equipment(

id INT NOT NULL PRIMARY KEY,

type nvarchar(30),

quantity int

)

CREATE TABLE program(

id INT NOT NULL PRIMARY KEY,

day smalldatetime,

id\_performer int,

id\_scene int,

constraint fk\_program\_scene FOREIGN KEY (id\_scene) REFERENCES scene(id),

)