CREATE database sziget;

use sziget;

CREATE TABLE area(

id INT NOT NULL PRIMARY KEY,

name nvarchar(40) 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);

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);

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));

CREATE TABLE performers(

id INT NOT NULL PRIMARY KEY,

pname nvarchar(40),

psurname nvarchar(40),

artistname nvarchar(40),

country nvarchar(40),

date\_arrive datetime,

date\_leave datetime,

id\_equipment int,

id\_day int not null

);

CREATE TABLE camping(

id INT NOT NULL PRIMARY KEY,

name nvarchar(15),

conditions nvarchar(35) ,

number\_of\_tents int,

square decimal(6,3),

id\_area int);

CREATE TABLE foodcourt (

id INT NOT NULL PRIMARY KEY,

name nvarchar(15),

number\_of\_tents int,

id\_area int);

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));

CREATE TABLE dayc(

id INT NOT NULL PRIMARY KEY,

number\_of\_tickets int,

id\_ticket int) ;

CREATE TABLE equipment(

id INT NOT NULL PRIMARY KEY,

type nvarchar(30),

quantity int

);

CREATE TABLE program(

id INT NOT NULL PRIMARY KEY,

daycc datetime,

id\_performer int,

id\_scene int);

alter table scene add constraint fk\_scene\_area FOREIGN KEY(id\_area) REFERENCES area(id);

alter table scene add constraint fk\_scene\_performer FOREIGN KEY (id\_performer) REFERENCES performers(id);

alter table scene add constraint fk\_scene\_volunteer FOREIGN KEY (id\_volunteer) REFERENCES volunteer(id);

alter table scene add constraint fk\_sponsor\_scene FOREIGN KEY (id\_sponsor) REFERENCES sponsor(id);

alter table ticket add constraint fk\_ticket\_type FOREIGN KEY (id\_ticket\_type) REFERENCES ticket\_type(id);

alter table ticket add constraint fk\_ticket\_area FOREIGN KEY (id\_area) REFERENCES area(id);

alter table ticket add constraint fk\_ticket\_visitor FOREIGN KEY (id\_visitor) REFERENCES visitor(passport\_id);

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

alter table performers add constraint fk\_performers\_day FOREIGN KEY (id\_day) REFERENCES dayc(id);

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

alter table performers add CONSTRAINT unique\_artistname UNIQUE NONCLUSTERED (artistname);

alter table camping add constraint fk\_camping\_area FOREIGN KEY (id\_area) REFERENCES area(id);

alter table foodcourt add constraint fk\_foodcourt\_area FOREIGN KEY (id\_area) REFERENCES area (id);

alter table dayc add constraint fk\_ticket\_day FOREIGN KEY (id\_ticket) REFERENCES ticket(id);

alter table program add constraint fk\_program\_scene FOREIGN KEY (id\_scene) REFERENCES scene(id);

alter table program add constraint fk\_program\_performer FOREIGN KEY (id\_performer) REFERENCES performers(id);

INSERT INTO area VALUES (1,'jazz zone')

INSERT INTO area VALUES(2,'green zone')

INSERT INTO area VALUES(3,'hard rock zone')

INSERT INTO area VALUES(4,'chill zone')

INSERT INTO area VALUES(5,'indie zone')

INSERT INTO camping(id, name, conditions, number\_of\_tents, square, id\_area)VALUES (1, 'simple', 'public toilet', 8, 24.4, 2)

INSERT INTO camping(id, name, conditions, number\_of\_tents, square, id\_area)VALUES(2, 'improved', 'public toilet', '5', 35.4, '1')

INSERT INTO camping(id, name, conditions, number\_of\_tents, square, id\_area)VALUES(3, 'bronze', 'public toilet', '8', 46.4, '3')

INSERT INTO camping(id, name, conditions, number\_of\_tents, square, id\_area)VALUES(4, 'silver', 'private toilet', '6', 54.4, '4')

INSERT INTO camping(id, name, conditions, number\_of\_tents, square, id\_area)VALUES(5, 'golden', 'private toilet', '5', 64.4, '5')

INSERT INTO ticket\_type VALUES (1,'GOLD','offers you to visit each concert + free drinks')

INSERT INTO ticket\_type VALUES(2,'SILVER','offers you to visit each concert')

INSERT INTO ticket\_type VALUES(3,'BRONZE','offers you to visit main scene and master card scene + drinks')

INSERT INTO ticket\_type VALUES(4,'EXTRAGOLD','offers you to visit each concert + free drinks + camping')

INSERT INTO ticket\_type VALUES(5,'EXTRASILVER','offers you to visit each concert + camping')

INSERT INTO visitor VALUES (56789,'Helen','Dimitrieva')

INSERT INTO visitor VALUES(12904,'Olga','Yankovskaya')

INSERT INTO visitor VALUES(20394,'John','Smith')

INSERT INTO visitor VALUES(40392,'Jack','Hugo')

INSERT INTO visitor VALUES(51234,'Alice','Merton')

INSERT INTO equipment(id, type, quantity) VALUES (1, 'sound', 10)

INSERT INTO equipment(id, type, quantity) VALUES(2, 'lights', 15)

INSERT INTO equipment(id, type, quantity) VALUES(3, 'special effects', 5)

INSERT INTO equipment(id, type, quantity) VALUES(4, 'instruments', 100)

INSERT INTO equipment(id, type, quantity) VALUES(5, 'other', 10)

INSERT INTO foodcourt(id, name, number\_of\_tents, id\_area) VALUES (1, 'sector1', '10', 1)

INSERT INTO foodcourt(id, name, number\_of\_tents, id\_area) VALUES(2, 'sector2', '15', 3)

INSERT INTO foodcourt(id, name, number\_of\_tents, id\_area) VALUES(3, 'sector3', '12', 2)

INSERT INTO foodcourt(id, name, number\_of\_tents, id\_area) VALUES(4, 'sector4', '20', 5)

INSERT INTO foodcourt(id, name, number\_of\_tents, id\_area) VALUES(5, 'sector5', '25', 4)

INSERT INTO sponsor(id, name, principal, representor) VALUES(1, 'Airlines', 'John', 'John1')

INSERT INTO sponsor(id, name, principal, representor) VALUES(2,'Motors', 'Devid', 'Devid1')

INSERT INTO sponsor(id, name, principal, representor) VALUES(3, 'Food', 'Mark', 'Mark1')

INSERT INTO sponsor(id, name, principal, representor) VALUES(4, 'Academy', 'Kevin', 'Kevin1')

INSERT INTO sponsor(id, name, principal, representor) VALUES(5, 'Hotel', 'Alisa', 'Alisa1')

INSERT INTO volunteer(id, name, surname, age, sex, country) VALUES (1, 'Petro', 'V', 19, 'm', 'Ukraine')

INSERT INTO volunteer(id, name, surname, age, sex, country) VALUES (2, 'Mary', 'B', 20, 'f', 'Ukraine')

INSERT INTO volunteer(id, name, surname, age, sex, country) VALUES (3, 'Max', 'C', 24, 'm', 'Poland')

INSERT INTO volunteer(id, name, surname, age, sex, country) VALUES (4, 'Jenifer', 'S', 22, 'f', 'Germany')

INSERT INTO volunteer(id, name, surname, age, sex, country) VALUES (5, 'Stepan', 'D', 25, 'm', 'Ukraine')

INSERT INTO ticket (id, id\_ticket\_type, id\_area, id\_visitor) VALUES(1,1,5,56789)

INSERT INTO ticket (id, id\_ticket\_type, id\_area, id\_visitor) VALUES(2,5,4,20394)

INSERT INTO ticket (id, id\_ticket\_type, id\_area, id\_visitor) VALUES(3,4,3,12904)

INSERT INTO ticket (id, id\_ticket\_type, id\_area, id\_visitor) VALUES(4,2,2,40392)

INSERT INTO ticket (id, id\_ticket\_type, id\_area, id\_visitor) VALUES(5,3,1,51234)

INSERT INTO dayc(id, number\_of\_tickets, id\_ticket) VALUES (1, 200, 1)

INSERT INTO dayc(id, number\_of\_tickets, id\_ticket) VALUES(2, 300, 2)

INSERT INTO dayc(id, number\_of\_tickets, id\_ticket) VALUES(3, 400, 4)

INSERT INTO dayc(id, number\_of\_tickets, id\_ticket) VALUES(4, 500, 3)

INSERT INTO dayc(id, number\_of\_tickets, id\_ticket) VALUES(5, 600, 5)

INSERT INTO performers (id, pname,psurname ,artistname ,country ,date\_arrive ,date\_leave ,id\_equipment ,id\_day )VALUES(1,'Theo','Hutchcraft','Hurts','England','2018-03-02','2018-02-04',1,1)

INSERT INTO performers (id, pname,psurname ,artistname ,country ,date\_arrive ,date\_leave ,id\_equipment ,id\_day )VALUES (2,'Jared','Leto','30 seconds to Mars','USA','2018-03-02','2018-02-04',4,4)

INSERT INTO performers (id, pname,psurname ,artistname ,country ,date\_arrive ,date\_leave ,id\_equipment ,id\_day )VALUES(3,'Zarra','Larson','-','USA','2018-03-02','2018-02-04',5,2)

INSERT INTO performers (id, pname,psurname ,artistname ,country ,date\_arrive ,date\_leave ,id\_equipment ,id\_day )VALUES(4,'Jack','Bim','The Kooks','USA','2018-03-02','2018-02-04',2,5)

INSERT INTO performers (id, pname,psurname ,artistname ,country ,date\_arrive ,date\_leave ,id\_equipment ,id\_day )VALUES(5,'Charlie','Puth','--','USA','2018-03-02','2018-02-04',3,3)

INSERT INTO scene (id, id\_area, id\_performer, name, id\_volunteer, id\_sponsor ) VALUES(1,2,5,'MAIN',2,1)

INSERT INTO scene (id, id\_area, id\_performer, name, id\_volunteer, id\_sponsor ) VALUES(2,2,4,'SILVER',3,3)

INSERT INTO scene (id, id\_area, id\_performer, name, id\_volunteer, id\_sponsor ) VALUES(3,3,3,'ROCK',4,2)

INSERT INTO scene (id, id\_area, id\_performer, name, id\_volunteer, id\_sponsor ) VALUES(4,4,2,'MASTER CARD',5,4)

INSERT INTO scene (id, id\_area, id\_performer, name, id\_volunteer, id\_sponsor ) VALUES(5,1,1,'INDIE',1,5)

INSERT INTO program(id, daycc, id\_performer, id\_scene) VALUES (1, '2019-08-13', 1, 1)

INSERT INTO program(id, daycc, id\_performer, id\_scene) VALUES(2, '2019-08-14', 2, 3)

INSERT INTO program(id, daycc, id\_performer, id\_scene) VALUES(3, '2019-08-15', 3, 2)

INSERT INTO program(id, daycc, id\_performer, id\_scene) VALUES(4, '2019-08-16', 4, 5)

INSERT INTO program(id, daycc, id\_performer, id\_scene) VALUES(5, '2019-08-17', 5, 4)

//\*SELECT name as Name, surname as Surname, age as Age from volunteer where age=(select max(age) from volunteer);

select count(\*) as quantity from ticket;

select name, description from ticket\_type where name like '%\_\_\_D';

select name as SceneName, artistname from scene inner join performers on scene.id\_performer=performers.id where country='England';

select \* from performers

SELECT AVG(quantity) AS AVG FROM equipment;

SELECT performers.pname, performers.psurname, performers.artistname, equipment.type

FROM performers inner join equipment on performers.id\_equipment=equipment.id

WHERE equipment.type='special effects';

SELECT DISTINCT country FROM volunteer;

SELECT \* FROM ticket\_type WHERE name IN('GOLD', 'BRONZE');

select id FROM dayc where number\_of\_tickets=(select MAX(number\_of\_tickets) from dayc);

SELECT performers.pname, performers.psurname, performers.artistname, dayc.number\_of\_tickets

FROM performers inner join dayc on performers.id\_day=dayc.id

WHERE day.id=(Select id FROM day where number\_of\_tickets=(select MAX(number\_of\_tickets) from day));

Select performers.pname, performers.psurname,performers.artistname, scene.name

from scene inner join performers on scene.id\_performer=performers.id

where performers.id\_equipment = (select id from equipment where quantity = (select max(quantity) from equipment));

SELECT count(\*) as american\_performers from performers where country= 'USA'\*/