Final Project

1.

Create table hotel(

hotel\_id int not null primary key,

hotel\_name varchar not null,

city varchar not null,

phone varchar not null

);

SELECT \* FROM hotel;

Create table room\_type (

room\_id int not null primary key,

type\_of\_room varchar not null,

rate varchar not null

);

SELECT \* FROM room\_type;

Create table clients (

сlients\_id int not null primary key,

room\_id int not null ,

firstname varchar not null,

lastname varchar not null,

telephone varchar not null,

email\_adress varchar,

FOREIGN KEY (room\_id) references room\_type(room\_id)

);

SELECT \* FROM clients;

Create table booking (

booking\_id int not null primary key,

hotel\_id int not null ,

firstname varchar not null,

lastname varchar not null,

telephone varchar not null,

date\_to date not null,

date\_out date not null,

FOREIGN KEY (hotel\_id) references hotel (hotel\_id)

);

SELECT \* FROM booking;

Create table bookType(

roomBookedID int not null primary key,

book\_type varchar not null,

booking\_id int not null,

FOREIGN KEY (booking\_id) references booking(booking\_id)

);

SELECT \* FROM bookType;

Create table payment (

Payment\_id int not null primary key,

сlients\_id int not null ,

payment\_type varchar not null,

payment\_price varchar not null,

FOREIGN KEY (сlients\_id) references clients(сlients\_id)

);

SELECT \* FROM payment;

Create table discounts (

discounts\_id int not null primary key,

сlients\_id int not null ,

discount\_type varchar not null,

discount\_start\_date date not null,

discount\_end\_date date not null,

FOREIGN KEY (сlients\_id) references clients(сlients\_id)

);

SELECT \* FROM discounts;

Create table entertainment\_programs(

entertainment\_programs\_id int not null primary key,

hotel\_id int not null ,

date\_of\_the\_beginning date not null,

end\_date date not null,

name\_of\_the\_program varchar not null,

age varchar,

FOREIGN KEY (hotel\_id) references hotel(hotel\_id)

);

SELECT \* FROM entertainment\_programs;

2.

Insert into hotel(Values

(0477,'Radisson','Houston','281-200-8815') );

SELECT \* FROM hotel;

**Insert into room\_type (Values**

**(010,'Standard Single','70$'),**

**(020,'Standard Double','90$'),**

**(030,'Luxury Double','130$'),**

**(040,'Family Room','160$'),**

**(050,'Luxury Penthouse','400$'),**

**(060,'Business Room','220$'),**

**(070,'Studio Room','100$'),**

**(080,'De luxe','80$'),**

**(090,'Corner Room','40$'),**

**(100,'Executive room','110$')**

**);**

**SELECT \* FROM room\_type;**

**INSERT INTO clients (VALUES**

**(201,40,'Donella', 'Jacklings','206-598-1946', 'djacklings0@go.com'),**

**(202,40,'Mehetabel', 'Toovey','206-608-1888', 'mtoovey6@dropbox.com'),**

**(203,30,'Lorant', 'Orgen','206-598-1946', 'lorgend@fotki.com'),**

**(204,10,'Caldwell', 'Sainte Paul','206-608-1888', 'csaintepaulf@github.io'),**

**(205,70,'Alfredo', 'Sherington','206-610-2174', 'asheringtonk@gov.uk'),**

**(206,20,'Cathyleen', 'Skillings','206-619-5028', 'cskillingsn@unc.edu'),**

**(207,50,'Sherye', 'Gullan','206-646-5674', 'sgullanq@sakura.ne.jp'),**

**(208,90,'Marwin', 'McCloy','206-659-0478', 'mmccloys@github.com'),**

**(209,50,'Marcus', 'Jemmett','253-549-5577', 'mjemmett1@irs.gov'),**

**(210,100,'Lucienne', 'Kimbrough','253-766-5001', 'lkimbroughk@slideshare.net'),**

**(211,60,'Bourke', 'Godridge','360-264-6040', 'bgodridgen@hibu.com'),**

**(212,80,'Cris', 'Van de Velde','360-267-2667', 'cvandeveldep@hubpages.com')**

**);**

**SELECT \* FROM clients;**

**INSERT INTO booking (VALUES**

**(11,0477,'Lolita', 'Bernlin', '206-200-4565','10/20/2020',' 10/27/2020'),**

**(22,0477,'Zach', 'Morgans', '206-204-5150','10/18/2020','10/23/2020'),**

**(33,0477,'Maximilien', 'Fuidge', '206-208-6981','10/07/2020','10/11/2020'),**

**(44,0477,'Nada', 'Crosser', '206-210-2573','10/30/2020','11/07/2020'),**

**(55,0477,'Marybelle', 'Yule', '206-213-7154','10/02/2020','10/10/2020'),**

**(66,0477,'Lolly', 'Vittori', '206-217-4822','10/15/2020','10/18/2020'),**

**(77,0477,'Julita', 'Thomassen','206-214-3979','11/07/2020','11/15/2020'),**

**(88,0477,'Kirk', 'Fogden', '206-217-4822','10/08/2020','10/13/2020'),**

**(99,0477,'Merlina', 'Spragg','206-219-7312','10/12/2020','10/16/2020'),**

**(111,0477,'Ernestus', 'Barthelet', '206-230-6477','10/25/2020','10/30/2020'),**

**(122,0477,'Henka', 'Lurner', '206-232-2046','10/11/2020','10/19/2020'),**

**(133,0477,'Robby', 'Ricoald', '206-234-3436','11/13/2020','11/19/2020'),**

**(144,0477,'Ernestus', 'Barthelet', '206-237-8546','11/12/2020','11/22/2020'));**

**SELECT \* FROM booking;**

**Insert into bookType(Values**

**(5637,'Phone',11),**

**(5367,'Website',22),**

**(6753,'Phone',33),**

**(6853,'Website',44),**

**(8764,'Website',55),**

**(2458,'Phone',66),**

**(6863,'Phone',77),**

**(2457,'Website',88),**

**(5255,'Phone',99),**

**(8643,'Website',111),**

**(6737,'Website',122),**

**(3568,'Phone',133),**

**(2657,'Website',144)**

**);**

**SELECT \* FROM bookType;**

**INSERT INTO payment (VALUES**

**(123,201,'Cash','340$'),**

**(234,202,'Cash','300$'),**

**(345,203,'Credit Card','780$'),**

**(456,204,'Cash','350$'),**

**(567,205,'Credit card','500$'),**

**(678,206,'Credit card','630$'),**

**(789,207,'Credit card','800$'),**

**(890,208,'Cash','200$'),**

**(909,209,'Cash','400$'),**

**(357,210,'Credit card','550$'),**

**(275,211,'Cash','660$'),**

**(848,212,'Cash','400$')**

**);**

**SELECT \*FROM payment;**

**INSERT INTO discounts (VALUES**

**(001,205,'special discount','01/07/2020','01/08/2020'),**

**(002,207,'season discounts','01/09/2020','01/11/2020'),**

**(003,202,'corporate discounts','01/05/2020','01/06/2020'),**

**(004,210,'season discounts','01/09/2020','01/11/2020'),**

**(005,204,'season discounts','01/06/2020','01/09/2020'),**

**(006,201,'special discount','01/09/2020','01/10/2020'),**

**(007,208,'corporate discounts','01/05/2020','01/06/2020')**

**);**

**SELECT \*FROM discounts;**

**INSERT INTO entertainment\_programs(VALUES**

**(501,0477,'9/18/2020 12:00:00','9/18/2020 14:00:00','beach volleyball'),**

**(502,0477,'9/12/2020 10:00:00','9/12/2020 10:45:00','water gymnastics'),**

**(503,0477,'9/16/2020 15:00:00','9/16/2020 16:30:00','aerobics'),**

**(504,0477,'9/11/2020 20:00:00','9/11/2020 21:00:00','entertaining show'),**

**(505,0477,'9/14/2020 20:00:00','9/14/2020 21:30:00','miss Hotel'),**

**(506,0477,'9/17/2020 18:00:00','9/17/2020 19:30:00','live music'),**

**(507,0477,'9/13/2020 19:00:00','9/13/2020 20:15:00','foam party'),**

**(508,0477,'9/19/2020 22:00:00','9/19/2020 01:00:00','alcoholic party'),**

**(509,0477,'9/09/2020 17:00:00','9/09/2020 17:50:00','live Sculptures'),**

**(510,0477,'9/15/2020 16:30:00','9/15/2020 18:30:00','sports tournament')**

**);**

**SELECT \*FROM entertainment\_programs;**

**3.**

**1)ALTER TABLE entertainment\_programs**

**ALTER age SET DEFAULT '6+';**

**2)** **ALTER TABLE entertainment\_programs**

**ADD CHECK (Age >= '6');**

**3)ALTER TABLE entertainment\_programs DROP COLUMN AGE;**

**4)ALTER TABLE clients ALTER COLUMN email\_adress DROP NOT NULL;**

**5)** **ALTER TABLE clients ADD gender varchar;**

**4.**

**1)SELECT \* FROM room\_type**

**WHERE Rate BETWEEN '200$' AND '400$';**

**2)SELECT \* FROM clients WHERE telephone LIKE ‘%206% ’;**

**3)SELECT COUNT(\*) FROM booking;**

**4)SELECT MAX (payment\_price)**

**FROM payment;**

**5)SELECT \* FROM entertainment\_programs WHERE name\_of\_the\_program NOT IN(‘alcoholic party’,’foam party’);**