

#1 - Choose a subject for a system of your preference, such as Amazon, Netflix, Tawakalna, or Absher.
#2 - Select four tables related to the chosen subject."
#4 - Create a database in DataGrip with the same name as the chosen system.
#5 - create all table with attributes
#6 - add constraints

DDL - Create

```
create database nusuk;
```

```
create table users (  
    userId varchar(10) primary key,  
    fullname varchar(40) not null,  
    email varchar(25) unique not null,  
    password varchar(20) not null,  
    birthdate date not null,  
    age int,  
    gender varchar(6) check(gender in ('male', 'female')),  
    phone_number varchar(15) not null  
);
```

```
insert into users values('1103051031','Kholud Mohammed  
Almutairi','Kholud@gmail.com','wpf@2433622','2000-07-  
21',24,'female','0551243107');
```

```
create table companions (  
    companionId int primary key ,  
    fullname varchar(40) not null,  
    birthdate date,  
    age int,  
    gender varchar(6) check(gender in ('male', 'female')),  
    relationship varchar(50),  
    userId varchar(10),  
    foreign key (userId) references users(userId)  
);
```

```
insert into companions values('100456789','Fatmah Awid  
Almutairi','1970-07-21',35,'female','mother','1103051031');
```

```
create table trips (  
    tripId int primary key ,  
    trip_type varchar(50) check(trip_type in('umrah', 'visiting the  
prophet's mosque'))  
);
```

```
insert into trips(tripId, trip_type) values (1, 'umrah');
```

```
create table bookings (  
    bookingId int primary key ,  
    userId varchar(10),  
    tripId int,  
    booking_date timestamp default current_timestamp,  
    trip_time varchar(10) check(trip_time in('morning', 'evening')),  
    foreign key (userId) references users(userId),  
    foreign key (tripId) references trips(tripId)  
);
```

```

insert into bookings(bookingId, userId, tripId, trip_time) values (1,
'1103051031', 1, 'morning');

# DQL - Select
select *from users;
select *from bookings;
select *from companions;
select *from trips;

# DML - Update
update bookings
set booking_date = '2024-03-21'
where bookingId = '1';

# DML - Delete
delete from bookings
where bookingId = '1';

# DDL - Drop
drop database Nusuk;
drop table trips;

# DDL - Alter
alter table bookings add column trip_type varchar(50);

# DDL - Truncate
truncate table bookings;

drop database nusuk;

```

