create table **Branch** (

branch\_id char(3) not null primary key,

building\_num varchar(10),

street\_name varchar(20),

street\_type varchar(10),

city varchar(20),

province varchar(2),

post\_code char(6),

phone\_num char(10)

);

create table **Employee** (

emp\_id char(4) not null primary key,

f\_name varchar(20),

l\_name varchar(20),

position char(15),

hire\_date date,

hourly\_wage int,

branch\_id char(3) foreign key references Branch(branch\_id),

branch\_date date

);

create table **Vehicle\_Type** (

[type\_id] varchar(10) not null primary key,

rental\_fee money not null,

return\_fee money not null,

late\_fee money not null

);

create table **Vehicle** (

plate\_num varchar(9) primary key,

kms int,

make varchar(15),

model varchar(15),

[year] int,

colour varchar(15),

condition int, --condition of car from 1-5; 1=poor, 5=new

[type\_id] varchar(10) foreign key references Vehicle\_Type([type\_id]),

branch\_id char(3) foreign key references Branch(branch\_id)

);

create table **Membership** (

status\_id varchar(10) primary key,

pays\_return\_fee bit not null,

pays\_late\_fee bit not null

);

create table **Customer** (

driver\_num varchar(20) primary key,

status\_id varchar(10) foreign key references Membership(status\_id),

f\_name varchar(20),

l\_name varchar(20),

building\_num varchar(10),

street\_name varchar(20),

street\_type varchar(10),

city varchar(20),

province varchar(2),

post\_code char(6),

phone\_num char(10),

membership\_date date,

join\_date date

);

create table **Rental\_Transaction** (

transaction\_id char(10) primary key,

base\_cost money not null,

late\_cost money not null,

return\_cost money not null,

check\_out\_date date not null,

expected\_return date not null,

branch\_id char(3) foreign key references Branch(branch\_id),

emp\_id char(4) foreign key references Employee(emp\_id),

plate\_num varchar(9) foreign key references Vehicle(plate\_num),

driver\_num varchar(20) foreign key references Customer(driver\_num)

);

create table **[Returns]** (

transaction\_id char(10) primary key,

emp\_id char(4) foreign key references Employee(emp\_id),

branch\_id char(3) foreign key references Branch(branch\_id),

return\_date date not null,

fees\_paid money not null,

foreign key (transaction\_id) references Rental\_Transaction(transaction\_id)

);