NAME: SAI SAMPATH BANDARU

ROLL NUMBER: 1602-18-737-099

PG 1

AUTOMATIC TRACKING AND ALLOCATING PARKING

CONTEXT:

- ABSTRACT
- REQUIREMENT ANALYSIS
- ER DIAGRAM
- DDL COMMANDS
- DML COMMANDS

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AUTOMATIC TRACKING AND ALLOCATING PARKING

Abstract

Numerous number of vehicles have been parking everyday in the parking area..inorder to keep the track of the vehicles parked, number of slots left and as well as to calculate the parking fee as per the duration .

We will require five tables for this...

1.user table -for storing the details of the user ..who manages vehicle, customer, parking slot.

2.vehicle table-for v_id,vehicle type, vehicle owner id, vehicle_name..

3.parking slots-for pid, status of the slot and the type of the parking slot, parking fee

4.customer table-for storing the details of the owners of the vehicles.

5.duration -contains the time duration of the vehicle, duration type, and duration id.

The relationship between various entity sets helps in retrieval of the information ,calculation of parking fee and allotment of parking slots in an efficient way.

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AUTOMATIC TRACKING AND ALLOCATING PARKING REQUIREMENT ANALYSIS:

List of table:

- User1
- Customer
- Parking slots
- Vehicles
- Duration

List of attributes with their domain type:

User

uemail(varchar2)

Uname(varchar2)

Uid(numeric)

Umobilenumber(numeric)

Customer

Cname(varchar2)

Cid(numeric)

Cpass(varchar2)

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AUTOMATIC TRACKING AND ALLOCATING PARKING

```
Cmobile(number)
```

Parking slots

Psid(numeric)

Fee(numeric)

Pstype(varchar2)

Status(varchar2)

Duration

DurationTime(numeric)

Dtype(varchar2)

Did(numeric)

Vehicles

Vname (varchar2)

Vtype(varchar2)

Vno(numeric)

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AUTOMATIC TRACKING AND ALLOCATING PARKING

Vid(numeric)

Vownerid(number)

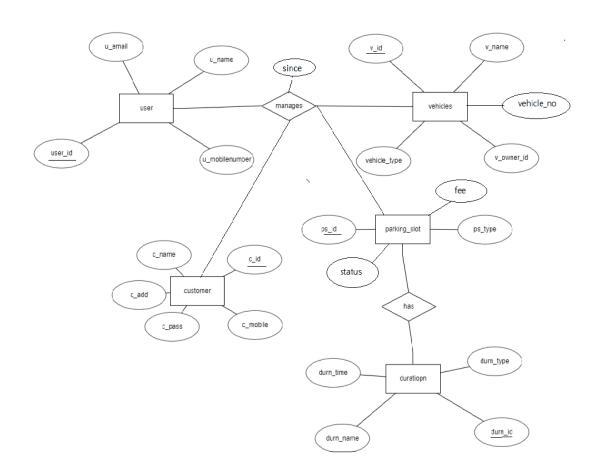
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AUTOMATIC TRACKING AND ALLOCATING PARKING

ER DIAGRAM:

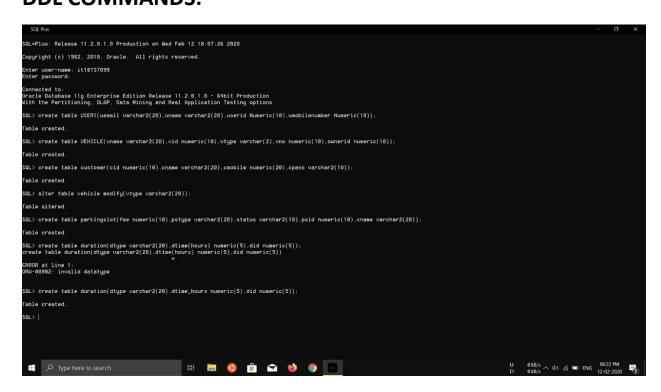


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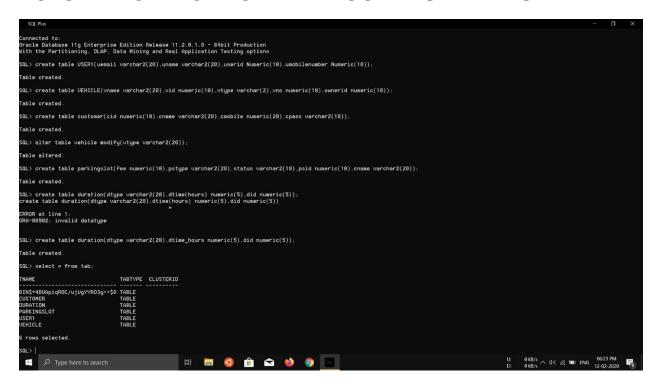
AUTOMATIC TRACKING AND ALLOCATING PARKING DDL COMMANDS:



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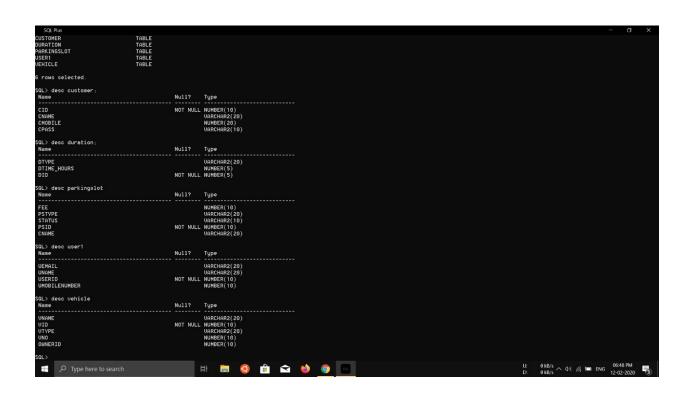
PG 8



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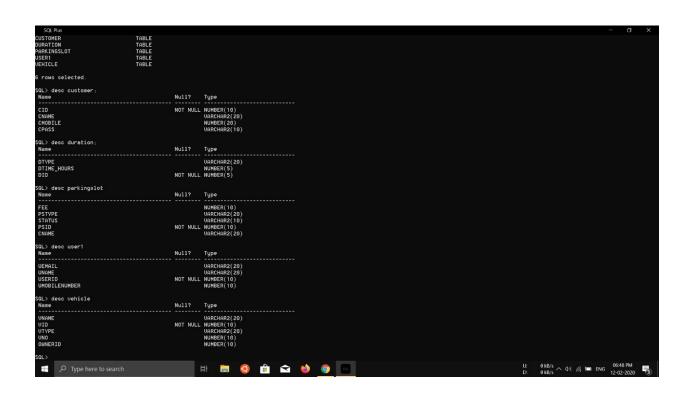
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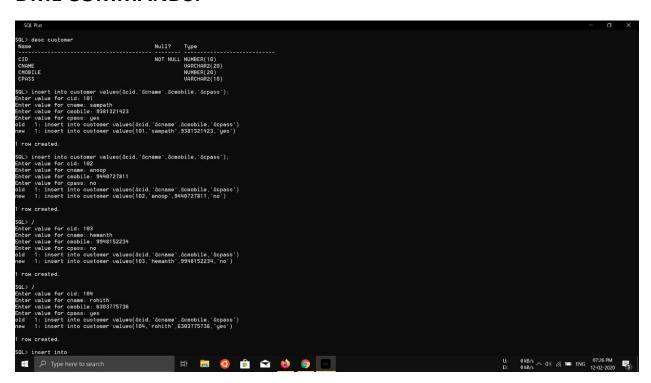
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AUTOMATIC TRACKING AND ALLOCATING PARKING

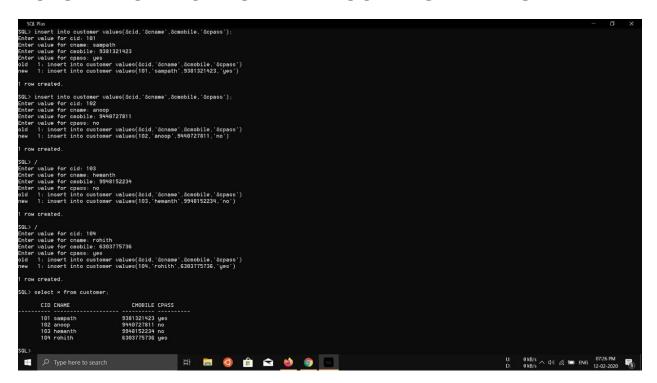
DML COMMANDS:



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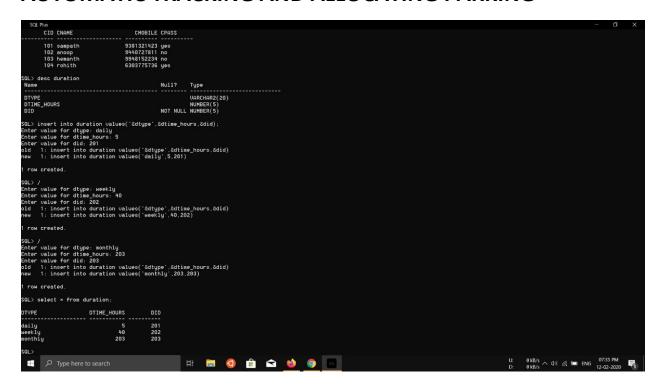
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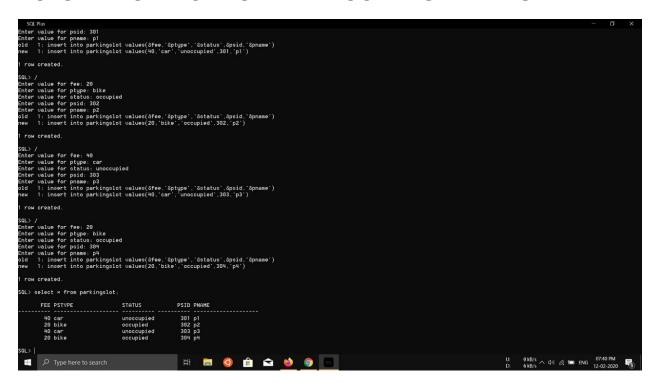
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```
SSTANS
STATUS
NOTICINAL NUMBER(10)
NOTICINAL NUMBER(10)
PRIME
SOL, insert into parkingslot values(afee, 'ghtype', 'dotatus', 'spoid, 'donase');
Enter value for fee: 10
Enter value for page: 10
Enter value for fee: 10
Enter value for page: 10
Enter value for page: 10
Enter value for page: 10
Enter value for fee: 10
Enter value for page: 10
Enter value for fee: 20
Enter value for fee
```

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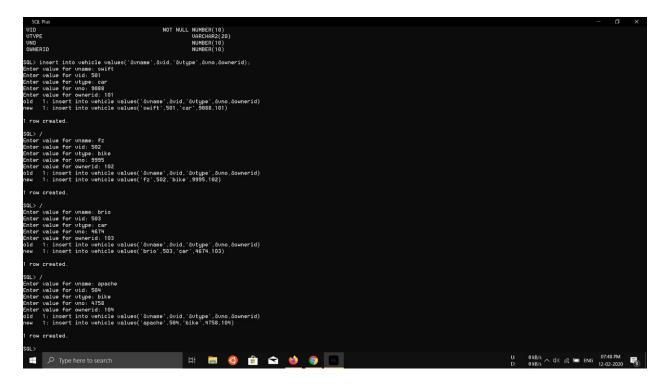
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