**NAME: SAI SAMPATH BANDARU** 

**ROLL NUMBER: 1602-18-737-092** 

**PG 1** 

## **AUTOMATIC TRACKING AND ALLOCATING PARKING**

## **CONTEXT:**

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

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**PG 2** 

#### **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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**PG 3** 

# 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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**PG 4** 

## **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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**PG 5** 

# **AUTOMATIC TRACKING AND ALLOCATING PARKING**

Vid(numeric)

Vownerid(number)

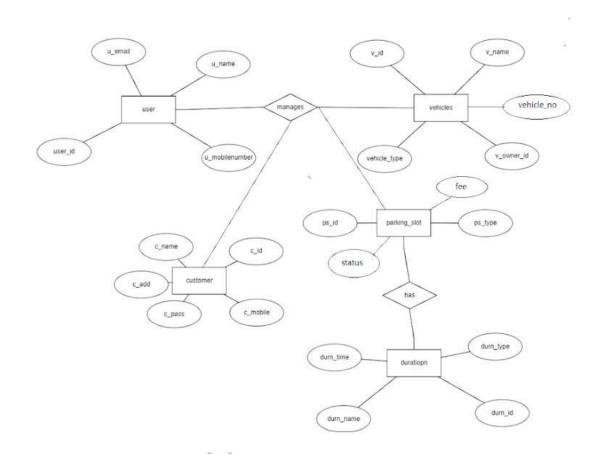
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**PG** 6

# **AUTOMATIC TRACKING AND ALLOCATING PARKING**

# **ER DIAGRAM:**



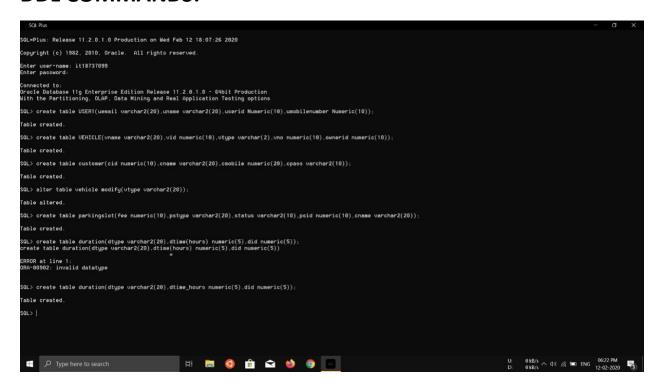
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**PG 7** 

# **AUTOMATIC TRACKING AND ALLOCATING PARKING**

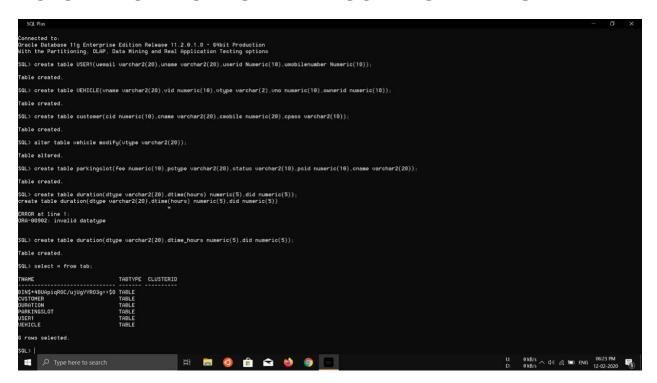
## **DDL COMMANDS:**



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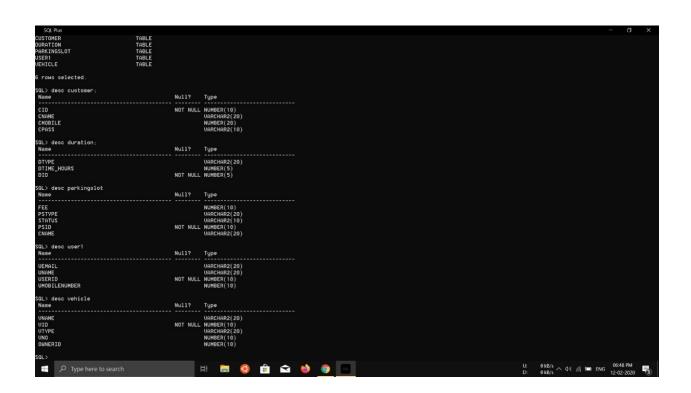
**PG 8** 



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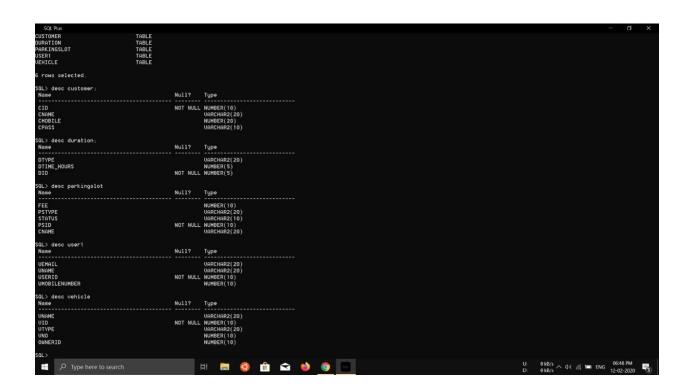
**PG 9** 



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**PG 10** 



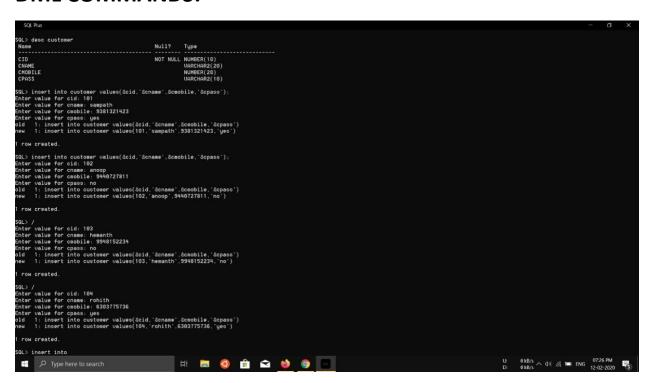
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**PG 11** 

# **AUTOMATIC TRACKING AND ALLOCATING PARKING**

## **DML COMMANDS:**



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### **PG 12**

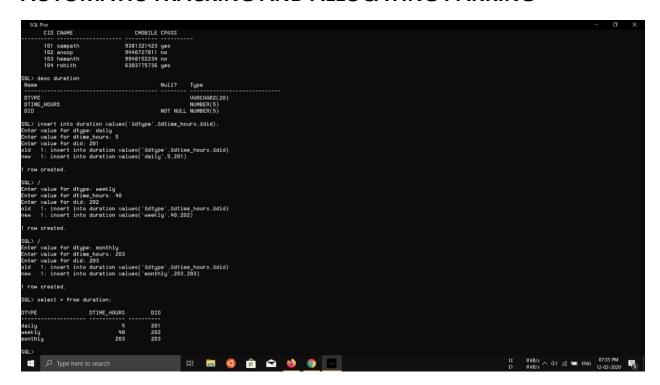
```
SOZIONE

COLLINIONE CONTROL OF CAMERICA CONTROL OF CONTROL OF CAMERICA CONTROL OF CAME
```

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### **PG 13**



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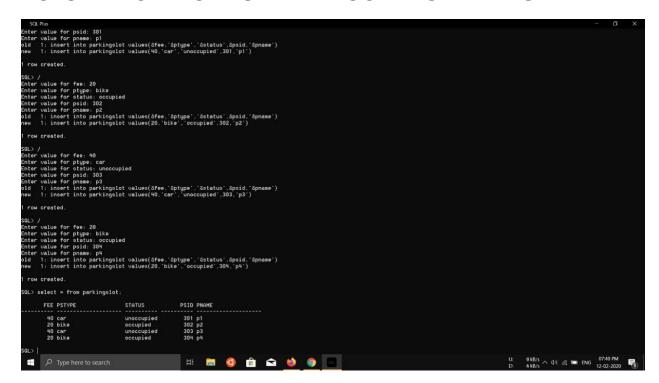
**PG 14** 

```
SSTING
STATUS
NOT NULL NUMBER(10)
PRIDE
NOT NULL NUMBER(10)
SEL' insert into parkingsist values(afee, 'ghtype', 'detatus', spaid, 'dename');
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 fee: 10
Enter value for page: 10
Enter value for page: 10
Enter value for fee: 20
Enter value for fe
```

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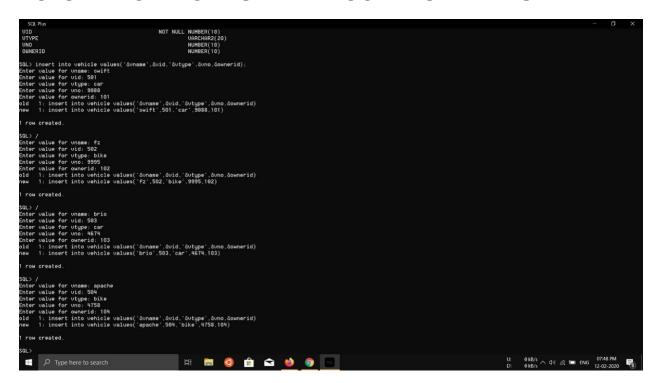
## **PG 15**



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**PG 16** 



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## **PG 17**

