AIR FORCE SCHOOL,VIMAN NAGAR

COMPUTER SCIENCE PROJECT

(083)

NAME-ANVITA AJAY DAVE

ROLL NO.- 06

CLASS- 12th A

CERTIFICATE

This is to certify that this Project is the work of Miss ANVITA AJAY DAVE of class 12th Division A, Roll no. 06 who has satisfactorily completed the Computer Science project on Authentic Automobile Manufacturers and Dealer of session 2020-2021 as per the rules laid down by the school.

Internal Examiner

External Examiner

Principal

ACKNOWLEDGEMENT

I would like to express my gratitude towards my Computer Science teacher, Mrs. Ashwini Modhave, for guiding me throughout the project and for her invaluable inputs. Undertaking this project, helped in building and improving my concepts

I would also take the opportunity to thank my parents for providing me with the stationery and for their support.

- ANVITA AJAY DAVE

INDEX

WELCOME

to

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LEARNING OUTCOME

- Connecting to MySQL from Python;
- Applying MySQL queries for database definition and manipulation;
- With the help of Python, managing the front end and presenting the data stored in MySQL tables in an organised and meaningful manner;
- Application of conditional and looping statements, functions, lists,tuples,dictionaries,MySQL functions and other concepts into building an inventory management system!
- Moreover, writing such an extensive code helped in improving my logical reasoning, problem-solving ability and creativity while improving my coding skills!

DATABASE DESIGN

DATABASE NAME:

```
mysql> USE Automobiles;
Database changed
```

TABLES IN Automobiles:

```
mysql> SHOW TABLES;
+------------------------+
| Tables_in_automobiles  |
+------------------------+
| area                   |
| bill_of_materials      |
| car_exteriors          |
| car_interiors          |
| cost_estimate          |
| customer_data          |
| employee_hierarchy     |
| engine_model           |
| freqbought             |
| general_utility        |
| inhouse_machining      |
| main_body              |
| model_specifications   |
| music_system           |
| mycart                 |
| mycart1                |
| our_stores             |
| report_battery         |
| report_cb              |
| report_flywheel        |
| safety_security        |
| supplier               |
| transmission           |
| tyres                  |
+------------------------+
24 rows in set (0.01 sec)
```

AREA TABLE:

```
mysql> DESC Area;
+-------+----------+------+-----+---------+-------+
| Field | Type     | Null | Key | Default | Extra |
+-------+----------+------+-----+---------+-------+
| Sr_No | int(11)  | YES  |     | NULL    |       |
| Area  | char(50) | YES  |     | NULL    |       |
+-------+----------+------+-----+---------+-------+
2 rows in set (0.14 sec)
```

```
mysql> SELECT *
    -> FROM Area;
+-------+---------------+
| Sr_No | Area          |
+-------+---------------+
|     1 | Kirkee        |
|     2 | Shivpeth      |
|     3 | Pimpri        |
|     4 | Hinjewadi     |
|     5 | Chandan Nagar |
+-------+---------------+
5 rows in set (0.05 sec)
```

BILL OF MATERIALS TABLE:

```
mysql> DESC Bill_of_Materials;
+---------------+----------+------+-----+---------+-------+
| Field         | Type     | Null | Key | Default | Extra |
+---------------+----------+------+-----+---------+-------+
| Part          | char(40) | NO   |     | NULL    |       |
| Material_From | char(50) | YES  |     | NULL    |       |
+---------------+----------+------+-----+---------+-------+
2 rows in set (0.12 sec)
```

```
mysql> SELECT *
    -> FROM Bill_of_Materials;
+-----------------------+--------------------+
| Part                  | Material_From      |
+-----------------------+--------------------+
| Main Journal Bearings | Mhale              |
| Connecting Rods       | Bajaj Motots       |
| Pistons               | India Piston       |
| Flywheel              | Shakti Auto        |
| Oil Pan               | Novaris            |
| Damper Pulley         | Metaldyne          |
| Intake manifold       | Novaris            |
| Air filter            | Mahle Filters      |
| Valve                 | Rane Engine Valves |
| Starter Motor         | TVS Electric       |
+-----------------------+--------------------+
10 rows in set (0.00 sec)
```

CAR EXTERIOR TABLE:

```
mysql> DESC Car_Exteriors;
+-------+---------------+------+-----+---------+-------+
| Field | Type          | Null | Key | Default | Extra |
+-------+---------------+------+-----+---------+-------+
| Part  | char(60)      | NO   |     | NULL    |       |
| Price | decimal(10,0) | YES  |     | NULL    |       |
+-------+---------------+------+-----+---------+-------+
2 rows in set (0.12 sec)
```

```
mysql> SELECT *
    -> FROM Car_Exteriors;
+-----------------------------------------------+--------+
| Part                                          | Price  |
+-----------------------------------------------+--------+
| Mud Flaps(Set of 4)                           |    800 |
| Wheel Cover(Set of 4 basis Tyre Size & Design) |   2200 |
| Body Side Moulding                            |   2300 |
| Sun Door Visor-all 4 windows                  |   1200 |
| Roof Luggage Carrier(For Ertiga)              |  10600 |
| Fog Light                                     |   3800 |
| Exhaust Pipe                                  |   3500 |
| Engine Mounting                               |   4000 |
| Battery (Petrol)                              |   4000 |
| Battery (Diesel)                              |   6500 |
| Bonnet                                        |  15000 |
| Flywheel                                      |   1200 |
| Front Brake Pad Replacement                   |   2000 |
| Side Indicator Bulb                           |    115 |
| Side Window Glass                             |   1500 |
| AC Cooling Coil                               |   2500 |
| Turbo Charger                                 |  35000 |
| AC Compressor Replacement                     |  15000 |
| Radiator Assembly                             |  20000 |
| Crank Shaft Assembly                          |  22000 |
| Set of 4 New Tyres                            |  20000 |
| Engine Transmission Assembly                  | 300000 |
+-----------------------------------------------+--------+
22 rows in set (0.00 sec)
```

CAR INTERIOR TABLE:

```
mysql> DESC Car_Interiors;
+-------+---------------+------+-----+---------+-------+
| Field | Type          | Null | Key | Default | Extra |
+-------+---------------+------+-----+---------+-------+
| Part  | char(60)      | NO   |     | NULL    |       |
| Price | decimal(10,0) | YES  |     | NULL    |       |
+-------+---------------+------+-----+---------+-------+
2 rows in set (0.09 sec)
```

```
mysql> SELECT *
    -> FROM Car_Interiors;
+-----------------------------------------------+-------+
| Part                                          | Price |
+-----------------------------------------------+-------+
| Steering Wheel Cover(Fabric,Art Leather Range) |   850 |
| Perfume Range                                 |   500 |
| Cabin Floor Mat(Designer Mat)                 |  2500 |
| Child Seats-KA500 for upto 27kg weight        |  9000 |
| Door Sill Guard                               |   900 |
| Set of all 4 Door Power Window                | 13500 |
| Rear Parcel Tray                              |  1900 |
| Oval Speaker                                  |  4500 |
| Integrated Music System-Nippon(Only Head Unit) | 16000 |
| Pure Leather Seat Cover                       | 30000 |
+-----------------------------------------------+-------+
10 rows in set (0.05 sec)
```

COST ESTIMATE TABLE:

```
mysql> DESC Cost_Estimate;
+------------+----------+------+-----+---------+-------+
| Field      | Type     | Null | Key | Default | Extra |
+------------+----------+------+-----+---------+-------+
| Category   | char(60) | YES  |     | NULL    |       |
| Percentage | char(20) | YES  |     | NULL    |       |
+------------+----------+------+-----+---------+-------+
2 rows in set (0.09 sec)
```

```
mysql> SELECT *
    -> FROM Cost_Estimate;
+-------------------------------+------------+
| Category                      | Percentage |
+-------------------------------+------------+
| Materials                     | 47%        |
| Direct Labour                 | 21%        |
| Administration                | 10%        |
| Others(including advertising) | 7%         |
| R&D                           | 6%         |
| Depreciation                  | 6%         |
| Logistics                     | 3%         |
+-------------------------------+------------+
7 rows in set (0.00 sec)
```

EMPLOYEE_HIERARCHY TABLE:

```
mysql> DESC Employee_Hierarchy;
+---------------+----------+------+-----+---------+-------+
| Field         | Type     | Null | Key | Default | Extra |
+---------------+----------+------+-----+---------+-------+
| Company_Level | char(70) | YES  |     | NULL    |       |
| Designation   | char(70) | YES  |     | NULL    |       |
| Vacancy       | char(20) | YES  |     | NULL    |       |
+---------------+----------+------+-----+---------+-------+
3 rows in set (0.04 sec)
```

```
mysql> SELECT *
    -> FROM Employee_Hierarchy;
+--------------------------+-------------------------------+---------+
| Company_Level            | Designation                   | Vacancy |
+--------------------------+-------------------------------+---------+
| Administrative Automobile | President                     | No      |
| Administrative Automobile | CTO                           | No      |
| Administrative Automobile | Sales Professional            | Yes     |
| Administrative Automobile | Finance Professional          | Yes     |
| Administrative Automobile | Finance Sales Representative  | Yes     |
| Administrative Automobile | Sr. Technology Specialist     | No      |
| Administrative Automobile | Chief Administration Manager  | No      |
| Administrative Automobile | Research Head                 | No      |
| Administrative Automobile | Development Manager           | No      |
| Executive Automobile      | Sr. Technology Engineer       | No      |
| Executive Automobile      | Hardware Systems Manager      | No      |
| Executive Automobile      | Sr. Manager                   | Yes     |
| Executive Automobile      | Sr. Technology Analyst        | Yes     |
| Executive Automobile      | Tyre and Service Provider     | No      |
| Executive Automobile      | Construction Vehicle Repair   | No      |
| Executive Automobile      | Tyre Technician               | No      |
| Executive Automobile      | Maintenance Technician        | No      |
| Executive Automobile      | Auto Technician               | No      |
| Executive Automobile      | Automotive Mechanic           | Yes     |
| Executive Automobile      | Automobile Engineer           | Yes     |
| Operational Automobile    | Automotive Mechanic Assistant | Yes     |
| Operational Automobile    | Owner Operator                | No      |
| Operational Automobile    | Technology Analyst            | No      |
| Operational Automobile    | Quality Supervisor            | No      |
| Operational Automobile    | Automotive Supplier           | No      |
| Operational Automobile    | Tyre Care Manager             | No      |
| Operational Automobile    | Washer and Vehicle Detailer   | Yes     |
| Operational Automobile    | Automobile Dealer Clerk       | Yes     |
| Operational Automobile    | Washer                        | Yes     |
| Operational Automobile    | Fueler                        | Yes     |
+--------------------------+-------------------------------+---------+
30 rows in set (0.00 sec)
```

ENGINE MODEL TABLE:

```
mysql> DESC Engine_Model;
+-----------------+---------------+------+-----+---------+-------+
| Field           | Type          | Null | Key | Default | Extra |
+-----------------+---------------+------+-----+---------+-------+
| Type            | char(30)      | NO   |     | NULL    |       |
| Model_No        | char(30)      | NO   | PRI | NULL    |       |
| Engine_Capacity | char(30)      | NO   |     | NULL    |       |
| Price           | decimal(10,0) | YES  |     | NULL    |       |
+-----------------+---------------+------+-----+---------+-------+
4 rows in set (0.12 sec)
```

```
mysql> SELECT *
    -> FROM Engine_Model;
+--------+----------+-----------------+--------+
| Type   | Model_No | Engine_Capacity | Price  |
+--------+----------+-----------------+--------+
| Petrol | C4A      | 2000            |  50000 |
| Petrol | C4DHS    | 1000            | 100000 |
| Diesel | HX5      | 2000            | 150000 |
+--------+----------+-----------------+--------+
3 rows in set (0.06 sec)
```

FREQBOUGHT TABLE:

```
mysql> DESC Freqbought;
+----------------+---------+------+-----+---------+-------+
| Field          | Type    | Null | Key | Default | Extra |
+----------------+---------+------+-----+---------+-------+
| Category_No    | int(11) | YES  |     | NULL    |       |
| Category_Name  | char(60)| YES  |     | NULL    |       |
| Accessory_Name | char(60)| YES  |     | NULL    |       |
+----------------+---------+------+-----+---------+-------+
3 rows in set (0.08 sec)
```

```
mysql> SELECT *
    -> FROM Freqbought;
+-------------+--------------------+---------------------------------------+
| Category_No | Category_Name      | Accessory_Name                        |
+-------------+--------------------+---------------------------------------+
|           1 | General Utility    | Auto Dimming IRVM Mirror              |
|           2 | Safety and Security | Gear Lock                            |
|           2 | Safety and Security | MGA Front Fog Light Pair             |
|           2 | Safety and Security | Nippon Reverse Parking Sensor        |
|           3 | Music System       | Sony XAV65 Touchscreen                |
|           3 | Music System       | Coaxial Speaker(Set of 4 Speakers)    |
|           3 | Music System       | Rear Seat Entertainment Android       |
|           4 | Car Interior       | Child Seats-KA500 for upto 27kg weight |
|           4 | Car Interior       | Set of all 4 Door Power Window        |
|           4 | Car Interior       | Pure Leather Seat Cover               |
|           5 | Car Exterior       | Mud Flaps(Set of 4)                   |
|           5 | Car Exterior       | Sun Door Visor-all 4 windows          |
|           5 | Car Exterior       | Roof Luggage Carrier                  |
|           5 | Car Exterior       | Fog Light                             |
|           5 | Car Exterior       | Battery                               |
|           5 | Car Exterior       | Side Indicator Bulb                   |
|           5 | Car Exterior       | Side Window Glass                     |
|           5 | Car Exterior       | AC Cooling Coil                       |
+-------------+--------------------+---------------------------------------+
18 rows in set (0.00 sec)
```

GENERAL UTILITY TABLE:

```
mysql> DESC General_Utility;
+-------+---------------+------+-----+---------+-------+
| Field | Type          | Null | Key | Default | Extra |
+-------+---------------+------+-----+---------+-------+
| Part  | char(60)      | NO   |     | NULL    |       |
| Price | decimal(10,0) | YES  |     | NULL    |       |
+-------+---------------+------+-----+---------+-------+
2 rows in set (0.06 sec)
```

```
mysql> SELECT *
    -> FROM General_Utility;
+-----------------------------------------+-------+
| Part                                    | Price |
+-----------------------------------------+-------+
| Auto Dimming IRVM Mirror                |  6500 |
| Sony XAV Ax5000 Touchscreen Music System | 24990 |
| Stylish Dual Tone Alloy Wheels          | 28000 |
+-----------------------------------------+-------+
3 rows in set (0.03 sec)
```

INHOUSE MACHINING TABLE:

```
mysql> DESC Inhouse_Machining;
+---------------+---------------+------+-----+---------+-------+
| Field         | Type          | Null | Key | Default | Extra |
+---------------+---------------+------+-----+---------+-------+
| Part          | char(40)      | NO   |     | NULL    |       |
| Price         | decimal(10,0) | YES  |     | NULL    |       |
| Material_From | char(50)      | YES  |     | NULL    |       |
+---------------+---------------+------+-----+---------+-------+
3 rows in set (0.09 sec)
```

```
mysql> SELECT *
    -> FROM Inhouse_Machining;
+----------------+-------+--------------------------+
| Part           | Price | Material_From            |
+----------------+-------+--------------------------+
| Cylinder Block |  1500 | Rico Auto                |
| Cylinder Head  |  1100 | Alicon Castings Pvt Ltd  |
| Crank Shaft    |   800 | Kalyani Forge            |
| Cam Shaft      |   400 | Mhale                    |
+----------------+-------+--------------------------+
4 rows in set (0.00 sec)
```

MAIN BODY TABLE:

```
mysql> DESC Main_Body;
+---------------+----------+------+-----+---------+-------+
| Field         | Type     | Null | Key | Default | Extra |
+---------------+----------+------+-----+---------+-------+
| Parts         | char(40) | NO   |     | NULL    |       |
| Material_From | char(50) | YES  |     | NULL    |       |
+---------------+----------+------+-----+---------+-------+
2 rows in set (0.06 sec)
```

```
mysql> SELECT *
    -> FROM Main_Body;
+-----------------------------------------+-----------------+
| Parts                                   | Material_From   |
+-----------------------------------------+-----------------+
| Bumper                                  | Valeo Plastics  |
| Rear and front lamps/Fog lamps          | Valeo Headlights|
| Dashboard                               | Minda           |
| Window panes/Windshield and rear glass  | Safex/Ashai     |
| Battery                                 | Exide           |
+-----------------------------------------+-----------------+
5 rows in set (0.00 sec)
```

MUSIC SYSTEM TABLE:

```
mysql> DESC Music_System;
+-------+--------------+------+-----+---------+-------+
| Field | Type         | Null | Key | Default | Extra |
+-------+--------------+------+-----+---------+-------+
| Part  | char(60)     | NO   |     | NULL    |       |
| Price | decimal(10,0)| YES  |     | NULL    |       |
+-------+--------------+------+-----+---------+-------+
2 rows in set (0.10 sec)
```

```
mysql> SELECT *
    -> FROM Music_System;
+-----------------------------------------+-------+
| Part                                    | Price |
+-----------------------------------------+-------+
| Sony XAV65 Touchscreen AV               | 15990 |
| JVC V10 KW                              | 17990 |
| Kenwood DDX 3035                        | 18490 |
| Coaxial Speaker(Set of 4 speakers)      |  8000 |
| Component Speaker Pair(Set of 4 speakers) | 15000 |
| Amplifier Range                         | 27990 |
| Rear Seat Entertainment Android         | 19990 |
+-----------------------------------------+-------+
7 rows in set (0.00 sec)
```

MYCART1 TABLE:

```
mysql> DESC MyCart1;
+---------------+----------+------+-----+---------+-------+
| Field         | Type     | Null | Key | Default | Extra |
+---------------+----------+------+-----+---------+-------+
| Category_No   | int(11)  | YES  |     | NULL    |       |
| Category_Name | char(60) | YES  |     | NULL    |       |
| Accessory_Name | char(60) | YES  |     | NULL    |       |
| Quantity      | int(11)  | YES  |     | 1       |       |
+---------------+----------+------+-----+---------+-------+
4 rows in set (0.05 sec)
```

```
mysql> SELECT *
    -> FROM MyCart1;
Empty set (0.00 sec)
```

OUR STORES TABLE:

```
mysql> DESC Our_Stores;
+---------------+----------+------+-----+---------+-------+
| Field         | Type     | Null | Key | Default | Extra |
+---------------+----------+------+-----+---------+-------+
| Telephone_No  | int(11)  | YES  |     | NULL    |       |
| Address       | char(70) | YES  |     | NULL    |       |
| Sales_Manager | char(40) | YES  |     | NULL    |       |
| Area          | char(50) | YES  |     | NULL    |       |
+---------------+----------+------+-----+---------+-------+
4 rows in set (0.01 sec)
```

```
mysql> SELECT *
    -> FROM Our_Stores;
+-------------+-----------------------------------------------------------+-------------+--------------+
| Telephone_No | Address                                                  | Sales_Manager | Area         |
+-------------+-----------------------------------------------------------+-------------+--------------+
|    201223675 | Shop 3 Alandi Road Kirkee,Pune-411028                    | Suresh Verma  | Kirkee       |
|    209087864 | 42/43 Shivpeth Opp. Shankar Road Pawar Seatcorner,Pune-411001 | Rahul Sharma | Shivpeth     |
|    207889901 | Shop No.1 Mayur Prasth,Pimpri Chowk, ICICI Bank,Pune-413456 | Ganesh Yadhav | Pimpri       |
|    203456897 | Shop 1 Opp. Bharat Restaurant,Hinjewadi,Pune-411030      | Amit Kumar    | Hinjewadi    |
|    206543290 | Sangharsh Chowk,Chandan Nagar,Pune-410012                | Sachin Shetty | Chandan Nagar |
+-------------+-----------------------------------------------------------+-------------+--------------+
5 rows in set (0.02 sec)
```

SAFETY AND SECURITY TABLE:

```
mysql> DESC Safety_Security;
+-------+---------------+------+-----+---------+-------+
| Field | Type          | Null | Key | Default | Extra |
+-------+---------------+------+-----+---------+-------+
| Part  | char(60)      | NO   |     | NULL    |       |
| Price | decimal(10,0) | YES  |     | NULL    |       |
+-------+---------------+------+-----+---------+-------+
2 rows in set (0.10 sec)
```

```
mysql> SELECT *
    -> FROM Safety_Security;
+-------------------------------+-------+
| Part                          | Price |
+-------------------------------+-------+
| Gear Lock                     |  1600 |
| MGA Front Fog Light Pair      |  4000 |
| Nippon Reverse Parking Sensor |  4000 |
| Rear View Camera              |  8500 |
+-------------------------------+-------+
4 rows in set (0.00 sec)
```

SUPPLIER TABLE:

```
mysql> DESC Supplier;
+-----------------+---------+------+-----+---------+-------+
| Field           | Type    | Null | Key | Default | Extra |
+-----------------+---------+------+-----+---------+-------+
| Supplier_Name   | char(70) | YES  |     | NULL    |       |
| Term_of_Contract | char(40) | YES  |     | NULL    |       |
| Expiry_Date     | date    | YES  |     | NULL    |       |
| Supplier_Head   | char(60) | YES  |     | NULL    |       |
| Phoneno         | char(40) | YES  |     | NULL    |       |
| Mail_Address    | char(60) | YES  |     | NULL    |       |
+-----------------+---------+------+-----+---------+-------+
6 rows in set (0.11 sec)
```

```
mysql> SELECT *
    -> FROM Supplier;
```

Supplier_Name	Term_of_Contract	Expiry_Date	Supplier_Head	Phoneno	Mail_Address
Rico Auto	2 years	2022-01-01	Anurag Modi	9850345671	anurag07@rico.ac.in
Kalyani Forge	4 years	2023-12-05	Shreyas Reddy	9987905623	sreddy07@Kforge.ac.in
Mhale	1 years	2021-12-01	Nishant Kumar	9456793244	nishant@gmail.com
Bajaj Motors	1 years	2021-12-15	Pradyun Das	9564390811	pradyun@gmail.com
India Piston	2 years	2021-12-01	Vineet Sharma	9080765644	vineet@gmail.com
Shakti Auto	5 years	2024-01-20	Anubhav Gupta	9083467210	anubhav@gmail.com
Novaris	4 years	2023-01-20	Chetan Jain	9234561898	chetan@gmail.com
Metaldyne	3 years	2022-06-20	Shivansh Sethi	9995566784	shivansh@gmail.com
Alicon Casting Pvt Ltd	1.5 years	2021-06-15	Arjun Shah	9707722435	arjun@alicon.ac.in
Mhale Filters	2 years	2022-01-15	Ayush Bhagat	9231567021	ayush@mfilters.ac.in
Rhane Engine Valves	2 years	2022-01-01	Aryan Dua	9890765213	aryan@gmail.com
TVS Electric	3 years	2023-01-01	Krish Gupta	9658902134	krish@gmail.com
Wheels India Ltd	5 years	2024-12-01	Kalpesh Krishna	9899342567	kalpesh@gmail.com
Valeo Plastics	4 years	2023-12-01	Vikas Walke	9234517890	vikas@gmail.com
Minda	3 years	2022-11-15	Sujeet Shah	9999675431	sujeet@minda.ac.in
Safex	1 years	2021-11-15	Sudip Nag	9966734210	sudip@safex.ac.in
Exide	1 years	2021-11-15	Siddharth Modi	9956432901	siddharth@exide.ac.in

17 rows in set (0.00 sec)

TRANSMISSION TABLE:

```
mysql> DESC Transmission;
```

Field	Type	Null	Key	Default	Extra
Part	char(40)	NO		NULL	
Quantity_per_car	int(11)	YES		NULL	

2 rows in set (0.07 sec)

```
mysql> SELECT *
    -> FROM Transmission;
+----------------+------------------+
| Part           | Quantity_per_car |
+----------------+------------------+
| Gears          |                5 |
| Synchro rings  |                5 |
| Trans case     |                1 |
| Clutch housing |                1 |
| Hubs           |                5 |
| Sleeve         |                5 |
| Shifter Fork   |                3 |
| Input Shaft    |                1 |
| Output Shaft   |                1 |
+----------------+------------------+
9 rows in set (0.01 sec)
```

TYRES TABLE:

```
mysql> DESC Tyres;
+---------------+----------+------+-----+---------+-------+
| Field         | Type     | Null | Key | Default | Extra |
+---------------+----------+------+-----+---------+-------+
| Parts         | char(40) | NO   |     | NULL    |       |
| Material_From | char(50) | YES  |     | NULL    |       |
+---------------+----------+------+-----+---------+-------+
2 rows in set (0.07 sec)
```

```
mysql> SELECT *
    -> FROM Tyres;
+-----------+-------------------------+
| Parts     | Material_From           |
+-----------+-------------------------+
| Rim       | Wheels India Ltd        |
| Tyre Tube | JK Tyres,MRF,CEAT Tyres |
+-----------+-------------------------+
2 rows in set (0.00 sec)
```

SOURCE CODE

```
from tabulate import _table_formats, tabulate
from datetime import datetime
import mysql.connector as sqltor
mycon=sqltor.connect(host="localhost",user="root",passwd="ananya",database="Automobiles")
cursor=mycon.cursor()
st="delete from MyCart1"
cursor.execute(st)
mycon.commit()
name=input("Enter your Name:")
print(" ")
print("*"*133)
print(" "*30,"WELCOME TO AUTHENTIC AUTOMOBILE MANUFACTURERS AND DEALERS-AAMD,", name,"!!")
print("*"*133)
print(" ")
now=datetime.now()
print("Entry Date and Time:",now)
print(" ")
print("Press 1  if you are an Employee")
print("Press 2 if you are a Customer")
choice=int(input("Enter your choice:"))
print(" ")
def ourStores(selectedarea):
    if selectedarea==1:
        cursor=mycon.cursor()
        st="SELECT Address FROM Our_Stores WHERE Area='{}'".format("Kirkee")
        cursor.execute(st)
        data=cursor.fetchall()
        for row in data:
            print(row)

    elif selectedarea==2:
        cursor=mycon.cursor()
        st="SELECT Address FROM Our_Stores WHERE Area='{}'".format("Shivpeth")
        cursor.execute(st)
        data=cursor.fetchall()
        for row in data:
            print(row)
```

```
    elif selectedarea==3:
        cursor=mycon.cursor()
        st="SELECT Address FROM Our_Stores WHERE Area='{}'".format("Pimpri")
        cursor.execute(st)
        data=cursor.fetchall()
        for row in data:
            print(row)

    elif selectedarea==4:
        cursor=mycon.cursor()
        st="SELECT Address FROM Our_Stores WHERE Area='{}'".format("Hinjewadi")
        cursor.execute(st)
        data=cursor.fetchall()
        for row in data:
            print(row)

    elif selectedarea==5:
        cursor=mycon.cursor()
        st="SELECT Address FROM Our_Stores WHERE Area='{}'".format("Chandan Nagar")
        cursor.execute(st)
        data=cursor.fetchall()
        for row in data:
            print(row)


if choice==1:
    empemail=input("Enter your official Email-ID:")
    desg=input("Enter your Designation:")
    print(" ")
    more1=1
    r=1
    while more1==1:
        print("Press 1 for Inhouse Production Chart")
        print("Press 2 for Supplier Details")
        print("Press 3 for Altering Records")
        print("Press 4 for Production Cost Estimate")
```

```
print("Press 5 for Employee Hirearchy")
print("Press 6 to  View Reports")
choice6=int(input("Enter your choice:"))
print(" ")

if choice6==1:
    more1=2
    cursor=mycon.cursor()
    table = [["Gears",5], ["Synchro rings",5], ["Trans case", 1],["Clutch housing",1], ["Hubs",5], ["Sleeve", 5],
             ["Shifter Fork", 3],["Input Shaft",1], ["Output Shaft",1]]
    headers = ["Parts", "Quantity_per_car"]
    formatl=['fancy_grid',]
    for f in formatl:
        print(tabulate(table, headers, tablefmt=f))
    print("***Total Cost Rs 20,000 per car***")
    print("Production per day=400 cars")
    table = [["Cylinder Block",1500], ["Cylinder Head",1100], ["Crank Shaft", 800],["Cam Shaft",400]]
    headers = ["Parts", "Price"]
    formatl=['fancy_grid',]
    for f in formatl:
        print(tabulate(table, headers, tablefmt=f))
    more1=int(input("Would you like to go to another section? If yes, press 1 else enter 2:"))


elif choice6==2:
    more1=2
    table = [["Rico Auto","Anurag Modi",9850345671], ["Kalyani Forge","Shreyas Reddy",9987905623],
             ["Mhale","Nishant Kumar",9456793244],["Bajaj Motors","Pradyun Das",9564390811],
             ["India Piston","Vineet Sharma",9080765644], ["Shakti Auto","Anubhav Gupta",9083467210],
             ["Novaris","Chetan Jain",9234561898],["Metaldyme","Shivansh Sethi",9995566784],
             ["Alicon Casting Pvt Ltd","Arjun Shah",9707722435],["Mhale Filters","Ayush Bhagat",9231567021],
             ["Rhane Engine Valves","Aryan Dua",9890765213],["TVS Electric","Krish Gupta",9658902134],
             ["Wheels India Ltd","Kalpesh Krishna",9899342567],["Valeo Plastics","Vikas Walke",9234517890],
             ["Minda","Sujjet Shah",9999675431],["Safex","Sudip Nag",9966734210],["Exide","Siddharth Modi",9956432901]]
    headers = ["Supplier Name", "Supplier Head","Phone No."]
    formatl=['fancy_grid',]
    for f in formatl:
        print(tabulate(table, headers, tablefmt=f))
```

```
choice7=int(input("Enter 1 to Email else enter 2:"))
if choice7==1:
    suppname=input("Enter Supplier's Name to be emailed:")
    print("Press 1 for  Asking for update on delivery of next batch")
    print("Press 2 for Complaining of the poor quality of parts delivered.")
    print("Press 3 for For renewal of contract")
    print("Press 4 for Bi-monthly meetings")
    choice8=int(input("Enter your choice:"))
    print(" ")
    if choice8==1:
        print("="*133)
        print("From:",empemail)
        cursor=mycon.cursor()
        st1="SELECT Mail_Address FROM Supplier WHERE Supplier_Name='{}'".format(suppname)
        cursor.execute(st1)
        data=cursor.fetchall()
        for row in data:
            c=row
        mycon.commit()
        print("To:",c)
        print(" ")
        print("Subject:Updates on the next Batch")
        print(" ")
        cursor=mycon.cursor()
        st1="SELECT Supplier_Head FROM Supplier WHERE Supplier_Name='{}'".format(suppname)
        cursor.execute(st1)
        data=cursor.fetchall()
        for row in data:
            c=row
        print("Dear",c,",")
        print("Request you to update on the parts for the next 2 weeks at the earliest.")
        print("Kindly attach the quality report and part images!")
        print(" ")
        print("Regards,")
        print(name)
        print(desg)
        print("="*133)
```

```
elif choice8==2:
    print("="*133)
    print("From:",empemail)
    cursor=mycon.cursor()
    st1="SELECT Mail_Address FROM Supplier WHERE Supplier_Name='{}'".format(suppname)
    cursor.execute(st1)
    data=cursor.fetchall()
    for row in data:
        c=row
    mycon.commit()
    print("To:",c)
    print(" ")
    print("Subject:Complaining about poor quality of parts")
    print(" ")
    cursor=mycon.cursor()
    st1="SELECT Supplier_Head FROM Supplier WHERE Supplier_Name='{}'".format(suppname)
    cursor.execute(st1)
    data=cursor.fetchall()
    for row in data:
        c=row
    print("Dear",c,",")
    print("The batch received yesterday was not at par with what has been agreed upon in our contract."
          "These parts can't be used in the making of our cars!At AAMD,we strive to serve our customers"
          "to the highest degree.")
    print("Request you to revoke the batch and send a new one at the earliest and setup a meeting to"
          "discuss the future of our contract as soon as possible.")
    print(" ")
    print("Regards,")
    print(name)
    print(desg)
    print("="*133)
```

```
elif choice8==3:
    print("="*133)
    print("From:",empemail)
    cursor=mycon.cursor()
    st1="SELECT Mail_Address FROM Supplier WHERE Supplier_Name='{}'".format(suppname)
    cursor.execute(st1)
    data=cursor.fetchall()
    for row in data:
        c=row
    mycon.commit()
    print("To:",c)
    print(" ")
    print("Subject: Renewal of our contract")
    print(" ")
    cursor=mycon.cursor()
    st1="SELECT Supplier_Head FROM Supplier WHERE Supplier_Name='{}'".format(suppname)
    cursor.execute(st1)
    data=cursor.fetchall()
    for row in data:
        c=row
    print("Dear",c,",")
    cursor=mycon.cursor()
    st1="SELECT Expiry_Date FROM Supplier WHERE Supplier_Name='{}'".format(suppname)
    cursor.execute(st1)
    data=cursor.fetchall()
    for row in data:
        c1=row
    print("Our contract terminates on ",c1,". AAMD was pleased collaborating with you and looks forward"
          "to renewing our contract and strengthening the relations between AAMD &",suppname,".")
    print("Call back to setup a meeting in the near future.")
    print(" ")
    print("Regards,")
    print(name)
    print(desg)
    print("="*133)
```

```
elif choice8==4:
    print(" ")
    print("="*133)
    print("From:",empemail)
    cursor=mycon.cursor()
    st1="SELECT Mail_Address FROM Supplier WHERE Supplier_Name='{}'".format(suppname)
    cursor.execute(st1)
    data=cursor.fetchall()
    for row in data:
        c=row
    mycon.commit()
    print("To:",c)
    print(" ")
    print("Subject: Renewal of our contract")
    print(" ")
    cursor=mycon.cursor()
    st1="SELECT Supplier_Head FROM Supplier WHERE Supplier_Name='{}'".format(suppname)
    cursor.execute(st1)
    data=cursor.fetchall()
    for row in data:
        c=row
    print("Dear",c,",")
    print("Call back to setup the venue and time for our next bi-weekly meeting.")
    print("Agenda:")
    print("1)Ordering parts for the next 2 weeks")
    print("2)Reviewing previous batch")
    print("3)Suggested cost alterations ")
    print(" ")
    print("Regards,")
    print(name)
    print(desg)
    print("="*133)

more1=int(input("Would you like to go to another section? If yes, press 1 else enter 2:"))
```

```
elif choice6==3:
    more1=2
    print("Select the table you would like to edit")
    print("1)Engine Model")
    print("2)Transmission")
    print("3)Inhouse Machinig of engine parts")
    print("4)Bill of Materials")
    print("5)Tyres")
    print("6)Main Body")
    choice9=int(input("Enter your choice:"))
    print(" ")
    print("What changes would you like to do in the database?")
    while r==1:
        print("1)Delete records")
        print("2)Insert records")
        print("3)Update records")
        choice10=int(input("Enter your choice"))
        print(" ")
        if choice9==1:
            cursor=mycon.cursor()
            st="select * from Engine_Model"
            cursor.execute(st)
            data=cursor.fetchall()
            for row in data:
                print(row)
            if choice10==1:
                del1=input("Enter the Model No. that you would like to delete:")
                cursor=mycon.cursor()
                st1="DELETE FROM Engine_Model WHERE Model_No='%s'" % (del1)
                cursor.execute(st1)
                mycon.commit()
                print("Record Successfully Deleted.")
                print(" ")

            elif choice10==2:
                etype=input("Enter the type(Petrol/Disesel):")
                modelno=input("Enter the model number:")
```

```
enginecap=input("Enter the engine capacity:")
price=int(input("Enter the price:"))
cursor=mycon.cursor()
st1 = "INSERT INTO Engine_Model(Type,Model_No,Engine_Capacity,Price) VALUES('{}','{}','{}','{}')".format(etype,modelno,enginecap,price)
cursor.execute(st1)
mycon.commit()
print("Record Successfully Inserted")
print(" ")
```

```
elif choice10==3:
    choice11=int(input("Press 1 to change the engine capacity and press 2 to change the price:"))
    if choice11==1:
        newvalue=input("Enter the new engine capacity:")
        modelno=input("Enter the model number:")
        cursor=mycon.cursor()
        st="""UPDATE Engine_Model SET Engine_Capacity=%s WHERE Model_No=%s """
        inputdata=(newvalue,modelno)
        cursor.execute(st,inputdata)
        mycon.commit()
        print("Record Successfully Updated")
        print(" ")

    elif choice11==2:
        newvalue1=int(input("Enter the new price:"))
        modelno=input("Enter the model number:")
        cursor=mycon.cursor()
        st="""UPDATE Engine_Model SET Price=%s WHERE Model_No=%s"""
        inputdata=(newvalue1,modelno)
        cursor.execute(st,inputdata)
        mycon.commit()
        print("Record Successfully Updated")
r=int(input("Enter 1 to further edit this table else enter 2:"))
if r==2:
    continue
```

```
elif choice9==2:
    cursor=mycon.cursor()
    st="select * from Transmission"
    cursor.execute(st)
    data=cursor.fetchall()
    for row in data:
        print(row)
    if choice10==1:
        del1=input("Enter the Part Name that you would like to delete:")
        cursor=mycon.cursor()
        st1="DELETE FROM Transmission WHERE Part='%s'" % (del1)
        cursor.execute(st1)
        mycon.commit()
        print("Record Successfully Deleted.")
        print(" ")

    elif choice10==2:
        part=input("Enter the part name:")
        quantity=int(input("Enter the quantity:"))
        cursor=mycon.cursor()
        st1 = "INSERT INTO Transmission(Part,Quantity_per_car) VALUES('{}','{}')".format(part,quantity)
        cursor.execute(st1)
        mycon.commit()
        print("Record Successfully Inserted")
        print(" ")

    elif choice10==3:
            quantity=int(input("Enter the new quantity:"))
            partname=input("Enter the Part name:")
            cursor=mycon.cursor()
            st="""UPDATE Transmission SET Quantity_per_car=%s WHERE Part=%s"""
            inputdata=(quantity,partname)
            cursor.execute(st,inputdata)
            mycon.commit()
            print("Record Successfully Updated")
            print(" ")
```

```
        r=int(input("Enter 1 to further edit this table else enter 2:"))
        if r==2:
            continue

    elif choice9==3:
        cursor=mycon.cursor()
        st="select * from Inhouse_Machining"
        cursor.execute(st)
        data=cursor.fetchall()
        for row in data:
            print(row)
        if choice10==1:
            del1=input("Enter the Part Name that you would like to delete:")
            cursor=mycon.cursor()
            st1="DELETE FROM Inhouse_Machining WHERE Part='%s'" % (del1)
            cursor.execute(st1)
            mycon.commit()
            print("Record Successfully Deleted.")
            print(" ")

        elif choice10==2:
            part=input("Enter Part name:")
            price=int(input("Enter the Price:"))
            materialfrom=input("Enter the Supplier Name:")
            cursor=mycon.cursor()

    st1 = "INSERT INTO Inhouse_Machining(Part,Price,Material_From) VALUES('{}','{}','{}')".format(part,price,materialfrom)
    cursor.execute(st1)
    mycon.commit()
    print("Record Successfully Inserted")
    print(" ")
```

```
        elif choice10==3:
            choice11=int(input("Press 1 to change the price and press 2 to update supplier name:"))
            if choice11==1:
                price=int(input("Enter the new Price:"))
                part=input("Enter the part:")
                cursor=mycon.cursor()
                st="""UPDATE Inhouse_Machining SET Price=%s WHERE Part=%s """
                inputdata=(price,part)
                cursor.execute(st,inputdata)
                mycon.commit()
                print("Record Successfully Updated")
                print(" ")

            elif choice11==2:
                suppliername=input("Enter the Supplier Name:")
                part=input("Enter the Part Name:")
                cursor=mycon.cursor()
                st="""UPDATE Inhouse_Machining SET Material_From=%s WHERE Part=%s"""
                inputdata=(suppliername,part)
                cursor.execute(st,inputdata)
                mycon.commit()
                print("Record Successfully Updated")
                print(" ")

        r=int(input("Enter 1 to further edit this table else enter 2:"))
        if r==2:
            continue

    elif choice9==4:
        cursor=mycon.cursor()
        st="select * from Bill_of_Materials"
        cursor.execute(st)
        data=cursor.fetchall()
        for row in data:
            print(row)
        if choice10==1:
            del1=input("Enter the Part Name that you would like to delete:")
```

```
            cursor=mycon.cursor()
            st1="DELETE FROM Bill_of_Materials WHERE Part='%s'" % (del1)
            cursor.execute(st1)
            mycon.commit()
            print("Record Successfully Deleted.")
            print(" ")

        elif choice10==2:
            part=input("Enter Part Name:")
            materialfrom=input("Enter the Supplier Name:")
            cursor=mycon.cursor()
            st1 = "INSERT INTO Bill_of_Materials(Part,Material_From) VALUES('{}','{}')".format(part,materialfrom)
            cursor.execute(st1)
            mycon.commit()
            print("Record Successfully Inserted")
            print(" ")

        elif choice10==3:
            suppliername=input("Enter the Supplier Name:")
            partname=input("Enter the Part name:")
            cursor=mycon.cursor()
            st="""UPDATE Bill_of_Materials SET Material_From=%s WHERE Part=%s"""
            inputdata=(suppliername,partname)
            cursor.execute(st,inputdata)
            mycon.commit()
            print("Record Successfully Updated")
            print(" ")
        r=int(input("Enter 1 to further edit this table else enter 2:"))
        if r==2:
            continue

    elif choice9==5:
        cursor=mycon.cursor()
        st="select * from Tyres"
        cursor.execute(st)
        data=cursor.fetchall()
```

```
for row in data:
    print(row)
if choice10==1:
    del1=input("Enter the Part Name that you would like to delete:")
    cursor=mycon.cursor()
    st1="DELETE FROM Tyres WHERE Parts='%s'" % (del1)
    cursor.execute(st1)
    mycon.commit()
    print("Record Successfully Deleted.")
    print(" ")

elif choice10==2:
    part=input("Enter Part name:")
    materialfrom=input("Enter the Supplier Name:")
    cursor=mycon.cursor()
    st1 = "INSERT INTO Tyres(Parts,Material_From) VALUES('{}','{}')".format(part,materialfrom)
    cursor.execute(st1)
    mycon.commit()
    print("Record Successfully Inserted")
    print(" ")

elif choice10==3:
    suppliername=input("Enter the Supplier Name:")
    partname=input("Enter the Part name:")
    cursor=mycon.cursor()
    st="""UPDATE Tyres SET Material_From=%s WHERE Parts=%s"""
    inputdata=(suppliername,partname)
    cursor.execute(st,inputdata)
    mycon.commit()
    print("Record Successfully Updated")
    print(" ")

r=int(input("Enter 1 to further edit this table else enter 2:"))
if r==2:
    continue
```

```
elif choice9==6:
    cursor=mycon.cursor()
    st="select * from Main_body"
    cursor.execute(st)
    data=cursor.fetchall()
    for row in data:
        print(row)
    if choice10==1:
        del1=input("Enter the Part Name that you would like to delete:")
        cursor=mycon.cursor()
        st1="DELETE FROM Main_body WHERE Parts='%s'" % (del1)
        cursor.execute(st1)
        mycon.commit()
        print("Record Successfully Deleted.")
        print(" ")

    elif choice10==2:
        part=input("Enter Part name:")
        materialfrom=input("Enter the Supplier Name:")
        cursor=mycon.cursor()
        st1 = "INSERT INTO Main_body(Parts,Material_From) VALUES('{}','{}')".format(part,materialfrom)
        cursor.execute(st1)
        mycon.commit()
        print("Record Successfully Inserted")
        print(" ")

    elif choice10==3:
        suppliername=input("Enter the Supplier Name:")
        partname=input("Enter the Part name:")
        cursor=mycon.cursor()
        st="""UPDATE Main_body SET Material_From=%s WHERE Parts=%s"""
        inputdata=(suppliername,partname)
        cursor.execute(st,inputdata)
        mycon.commit()
        print("Record Successfully Updated")
        print(" ")
```

```
            r=int(input("Enter 1 to further edit this table else enter 2:"))
            print(" ")
            if r==2:
                continue
    more1=int(input("Would you like to go to another section? If yes, press 1 else enter 2:"))


elif choice6==4:
    more1=2
    table = [["Materials","47%"], ["Direct Labour","21%"],["Administration","10%"],
            ["Other(including advetisment)","7%"],["R&D","6%"],["Depreciation","6%"],["Logistics","3%"]]
    headers = ["Category","Percentage"]
    formatl=['fancy_grid',]
    for f in formatl:
        print(tabulate(table, headers, tablefmt=f))
    more1=int(input("Would you like to go to another section? If yes, press 1 else enter 2:"))


elif choice6==5:
    table = [["Administrative Automobiles","President"],["Administrative Automobiles","CTO"],
            ["Administrative Automobiles","Sales Professional"],["Administrative Automobiles","Finance Professional"],
            ["Administrative Automobiles","Finance Sales Representative"],
            ["Administrative Automobiles","Sr. Technology Specialist"],
            ["Administrative Automobiles","Chief Administration Manager"],
            ["Administrative Automobiles","Research Head"],["Administrative Automobiles","Development Manager"],
            ["Executive Automobile","Sr.Technology Engineer"],["Executive Automobile","Hardware System Manager"],
            ["Executive Automobile","Sr. Manager"],["Executive Automobile","Sr. Technology Analyst"],
            ["Executive Automobile","Tyre and Service Provider"],["Executive Automobile","Construction Vehicle Repair"],
            ["Executive Automobile","Tyre Technician"],["Executive Automobile","Auto Technician"],
            ["Executive Automobile","Automotive Mechanic"],["Executive Automobile","Automotive Engineer"],
            ["Operational Automobile","Automotive Mechanic Assistant"],["Operational Automobile","Owner Operator"],
            ["Operational Automobile","Technology Analyst"],["Operational Automobile","Quality Supervisor"],
            ["Operational Automobile","Automotive Supplier"],["Operational Automobile","Tyre Care Manager"],
            ["Operational Automobile","Washer and Vehicle Dealer"],["Operational Automobile","Automobile Dealer Clerk"],
            ["Operational Automobile","Washer"],["Operational Automobile","Fueler"]]
    headers = ["Company Level","Designation"]
    formatl=['fancy_grid',]
    for f in formatl:
        print(tabulate(table, headers, tablefmt=f))
    print(" ")
    print(" ")
    print("Vacancies avaliable in the company are.....")
    print(" ")
    table = [["Administrative Automobiles","Sales Professional"],["Administrative Automobiles","Finance Professional"],
            ["Administrative Automobiles","Finance Sales Representative"],["Executive Automobile","Sr. Manager"],
            ["Executive Automobile","Sr. Technology Analyst"],["Executive Automobile","Automotive Mechanic"],
            ["Executive Automobile","Automotive Engineer"],["Operational Automobile","Automotive Mechanic Assistant"],
            ["Operational Automobile","Washer and Vehicle Dealer"],["Operational Automobile","Automobile Dealer Clerk"],
            ["Operational Automobile","Washer"],["Operational Automobile","Fueler"]]
    headers = ["Company Level","Designation"]
    formatl=['fancy_grid',]
    for f in formatl:
        print(tabulate(table, headers, tablefmt=f))
    print(" ")
    print("** Interested Candidates may fill application form from our website**")
```

```
    more1=int(input("Would you like to go to another section? If yes, press 1 else enter 2:"))
elif choice6==6:
    print("*"*133)
    print(" "*55,"REPORT: CYLINDER BLOCK"," "*65)
    print("*"*133)
    table = [["2020-12-01",500,1500,2000,10,610,0,"2020-12-07"], ["2020-12-07",500,110,2500,29,3020,500,"2020-12-14"],
             ["2020-12-14",500,500,3000,30,3030,500,"2020-12-21"],["2020-12-21",500,500,1500,15,1515,500,"2020-12-25"]]
    headers = ["Delivery Date","Min. Stock","QOH","Prod. Reqt.","Defective Piece","Reorder Level","Close Stock",
               "Exp. Delivery"]
    formatl=['fancy_grid',]
    for f in formatl:
        print(tabulate(table, headers, tablefmt=f))
    print(" ")
    print(" ")
    print("*"*133)
    print(" "*55,"REPORT: BATTERY"," "*65)
    print("*"*133)
    table = [["2020-12-15",400,1200,15,1215,"2020-12-17"], ["2020-12-17",400,1000,10,1010,"2020-12-19"],
             ["2020-12-19",400,1600,20,1620,"2020-12-21"],["2020-12-21",400,1600,20,1620,"2020-12-23"],
             ["2020-12-23",400,1000,10,1010,"2020-12-25"]]
    headers = ["Delivery Date","QOH","Requirement","Defective Piece","Reorder Level","Expeceted Delivery"]
    formatl=['fancy_grid',]
    for f in formatl:
        print(tabulate(table, headers, tablefmt=f))
    print(" ")
    print(" ")
    print("*"*133)
    print(" "*55,"REPORT: FLYWHEEL"," "*65)
    print("*"*133)
    table = [["2020-12-15",400,800,10,810,"2020-12-17"], ["2020-12-17",400,1200,15,1215,"2020-12-19"],
             ["2020-12-19",400,1200,15,1215,"2020-12-21"],["2020-12-21",400,1000,10,1010,"2020-12-23"],
             ["2020-12-23",400,800,10,810,"2020-12-25"]]
    headers = ["Delivery Date","QOH","Requirement","Defective Piece","Reorder Level","Expected Delivery"]
    formatl=['fancy_grid',]
    for f in formatl:
        print(tabulate(table, headers, tablefmt=f))
    more1=int(input("Would you like to go to another section? If yes, press 1 else enter 2:"))
```

```
if choice==2:
    choice1=1
    if choice1==1:
        print("Dear Valued Customer, following is the list of frequently bought spare parts")
        table = [[1,"General Utility","Auto Dimming IRV Mirror"], [2,"Safety and Security","Gear Lock"],
                 [2,"Safety and Security","MGA Front Fog Light Pair"],[2,"Safety and Security","Nippon Reverse Parking Sensor"],
                 [3,"Music System","Sony XAV65 Touchscreen"], [3,"Music System","Coaxial Speakers(Set of 4)"],
                 [3,"Music System","Rear Seat Entertainment Android"],[4,"Car Interior","Child Seats-KA500 for upto 27kg weight"],
                 [4,"Car Interior","Set of all 4 doors Power Window"],[4,"Car Interior","Pure Leather Seat Cover"],
                 [5,"Car Exterior","Mud Flaps(Set of 4)"],[5,"Car Exterior","Sun door Visor-all 4 window"],
                 [5,"Car Exterior","Roof Luggage Carrier"],[5,"Car Exterior","Fog Light"],[5,"Car Exterior","Battery"],
                 [5,"Car Exterior","Side Indicator Bulb"],[5,"Car Exterior","Side Window Glass"],
                 [5,"Car Exterior","AC Cooling Coil"]]
        headers = ["Parts", "Quantity_per_car"]
        formatl=['fancy_grid',]
        for f in formatl:
            print(tabulate(table, headers, tablefmt=f))
        print(" ")
        print("Hope the above helps you in your decision making....")
        print(" ")
        print("Press 1 for General Utility Spare Parts")
        print("Press 2 for Safety and Security Spare Parts")
        print("Press 3 for Music System Spare Parts")
        print("Press 4 for Car Interior Spare Parts")
        print("Press 5 for Car Exterior Spare Parts")
        choice2=int(input("Enter your choice:"))
        print(" ")
        while choice1==1:
            more=1
            if choice2==1:
                table = [["Auto Dimming IRVM Mirror",6500], ["Sony XAV Ax5000 Touchscreen Music System",24990],
                         ["Stylish Dual Tone Alloy Wheels",28000]]
                headers = ["Parts", "Price"]
                formatl=['fancy_grid',]
                for f in formatl:
                    print(tabulate(table, headers, tablefmt=f))
                leave=int(input("Enter 9 to Exit else any other number:"))
```

```
        while (leave!=9 and more==1):
            selectedpart=input("Enter the part name that you wish to add to your cart:")
            selectedqty=int(input("Enter the required quantity:"))
            cursor=mycon.cursor()

    st1 = "INSERT INTO MyCart1(Category_No,Category_Name,Accessory_Name,Quantity) VALUES('{}','{}','{}','{}')".format(1,'General Utility',selectedpart,selectedqty)

                cursor.execute(st1)
                mycon.commit()
                print(" ")
                more=int(input("Enter 1 to add more from the same category else 2:"))
                if more==2:
                    break


elif choice2==2:
    table = [["Gear Lock",1600], ["MGA Front Fog Light Pair",4000], ["Nippon Reverse Parking Sensor",4000],
            ["Rear View Camera",8500]]
    headers = ["Parts", "Price"]
    formatl=['fancy_grid',]
    for f in formatl:
        print(tabulate(table, headers, tablefmt=f))
    leave=int(input("Enter 9 to Exit else any other number:"))
    while (leave!=9 and more==1):
        selectedpart=input("Enter the part name that you wish to add to your cart:")
        selectedqty=int(input("Enter the required quantity:"))
        cursor=mycon.cursor()

    st1 = "INSERT INTO MyCart1(Category_No,Category_Name,Accessory_Name,Quantity) VALUES('{}','{}','{}','{}')".format(2,'Safety and Security',selectedpart,selectedqty)

         cursor.execute(st1)
         mycon.commit()
         print(" ")
         more=int(input("Enter 1 to add more from the same category else 2:"))
         if more==2:
             break

 elif choice2==3:
     table = [["Sony XAV65 Touchscreen AV",15990], ["JVC V10 KW",17990], ["Kenwood DDX 3035",18490],
             ["Coaxial Speaker(Set of 4 speaker)",8000], ["Component Speaker Pair(Set of 4 Speakers)",15000],
             ["Amplifier Range",27990],["Rear Seat Entertainment Android",19990]]
     headers = ["Parts", "Quantity_per_car"]
     formatl=['fancy_grid',]
     for f in formatl:
         print(tabulate(table, headers, tablefmt=f))
     leave=int(input("Enter 9 to Exit else any other number:"))
     while (leave!=9 and more==1):
         selectedpart=input("Enter the part name that you wish to add to your cart:")
         selectedqty=int(input("Enter the required quantity:"))
         cursor=mycon.cursor()
```

```
st1 = "INSERT INTO MyCart1(Category_No,Category_Name,Accessory_Name,Quantity) VALUES('{}','{}','{}','{}')".format(3,'Music System',selectedpart,selectedqty)

        cursor.execute(st1)
        mycon.commit()
        print(" ")
        more=int(input("Enter 1 to add more from the same category else 2:"))
        if more==2:
            break


elif choice2==4:
    table = [["Steering Wheel Cover(Fabric,Art Leather Range)",850],["Perfume Range",500],
             ["Cabin Floor Mat(Designer Mat)",2500],["Child Seats-KA500 for upto 27kg weight",1000],
             ["Door Sill Guard",900], ["Set of all 4 Door Power Window",13500],["Rare Parcel Tray",1900],
             ["Oval Speaker",4500], ["Integrated Music System-Nippon(Only Head Unit)",16000],
             ["Pure Leather Seat Cover",30000]]
    headers = ["Parts", "Price"]
    formatl=['fancy_grid',]
    for f in formatl:
        print(tabulate(table, headers, tablefmt=f))
    leave=int(input("Enter 9 to Exit else any other number:"))
    while (leave!=9 and more==1):
        selectedpart=input("Enter the part name that you wish to add to your cart:")
        selectedqty=int(input("Enter the required quantity:"))
        cursor=mycon.cursor()

st1 = "INSERT INTO MyCart1(Category_No,Category_Name,Accessory_Name,Quantity) VALUES('{}','{}','{}','{}')".format(4,'Car Interior',selectedpart,selectedqty)
```

```
        cursor.execute(st1)
        mycon.commit()
        print(" ")
        more=int(input("Enter 1 to add more from the same category else 2:"))
        if more==2:
            break

elif choice2==5:
    table = [["Mud Flaps(Set of 4)",800], ["Wheel Cover(Set of 4 basis Tyre Size & Design",2200],
             ["Body Side Moulding",2300],["Sun Door Visor-All 4 Windows",1200],
             ["Roof Luggage Carrier(For Ertiga)",10600], ["Fog Light",3800],["Exhaust Pipe",3500],
             ["Engine Mounting",4000], ["Battery(Petrol)",4000],["Battery(Diesel)",1600],["Bonnet",15000],
             ["Flywheel",1200],["Front Brake Pad Replacement",2000],["Side Indicator Bulb",115],
             ["Side Window Glass",1500],["AC Cooling Coil",2500],["Turbo Charger",35000],
             ["AC Compressor Replacement",15000],["Radiator Assembly",20000],
             ["Crank Shaft Assembly",22000],["Set of 4 New Tyres",20000],["Engine Transmission Assembly",300000]]
    headers = ["Parts", "Quantity_per_car"]
    formatl=['fancy_grid',]
    for f in formatl:
        print(tabulate(table, headers, tablefmt=f))
    leave=int(input("Enter 9 to Exit else any other number:"))
    while (leave!=9 and more==1):
        selectedpart=input("Enter the part name that you wish to add to your cart:")
        selectedqty=int(input("Enter the required quantity:"))
        cursor=mycon.cursor()


  st1 = "INSERT INTO MyCart1(Category_No,Category_Name,Accessory_Name,Quantity) VALUES('{}','{}','{}','{}')".format(5,'Car Exterior',selectedpart,selectedqty)
```

```
        mycon.commit()
        print(" ")
        more=int(input("Enter 1 to add more from the same category else 2:"))
        if more==2:
            break

print(" ")
print("Would you like to add something else from another category then press 1 else press 2:")
choice3=int(input("Enter your choice:"))
if choice3==1:
    choice1==1
    print(" ")
    choice2=int(input("Enter Category No. of your choice:"))
else:
    print("="*133)
    print("*"*133)
    print(" "*45,"CURRENT ITEMS IN YOUR CART ARE....")
    print("-"*133)
    cursor=mycon.cursor()
    st="SELECT * FROM MyCart1"
    cursor.execute(st)
    data=cursor.fetchall()
    for row in data:
        print(row)
    print(" ")
    print("*"*133)
    print("="*133)

    print("Visit our nearest store to get your car back as new!!")
    table = [[201223675,"Shop 3 Alandi Road Kirkee,Pune-411028","Suresh Verma","Kirkee"],
            [209087864,"42/43 Shivpeth Opp. Shankar Road Pawar Seatcorner,Pune-411001","Rahul Sharma","Shivpeth"],
            [207889901,"Shop No.1 Mayur Prasth,Pimpri Chowk,ICICI Bank,Pune-413456","Ganesh Yadhav","Pimpri "],
            [203456897,"Shop 1 Opp. Bharat Restaurant,Hinjewadi,Pune-411030","Amit Kumar","Hinjewadi"],
            [206543290,"Sangharsh Chowk,Chandan Nagar,Pune-410012","Sachin Shetty","Chandan Nagar"]]
    headers = ["Telephone No", "Address","Sales Manager","Area"]
    formatl=['fancy_grid',]
    for f in formatl:
```

```
for f in formatl:
    print(tabulate(table, headers, tablefmt=f))
print("Press 1 to request for an appointment else press 2:")
choice4=int(input("Enter your choice:"))

if choice4==1:
    table = [[1,"Kirkee"], [2,"Shivpeth"], [3,"Pimpri"],[4,"Hinjewadi"], [5,"Chandan Nagar"]]
    headers = ["Sr. No.", "Area"]
    formatl=['grid',]
    for f in formatl:
        print(tabulate(table, headers, tablefmt=f))
    selectedArea=int(input("Select the Sr No. of the nearest area from above:"))
    print(" ")
    print("The address for the store is:")
    ourStores(selectedArea)
    print(" ")
    print("*"*133)
    print("Dear", name,",")
    print("Your appointment under your name has been made for tomorrow 5:00 PM!")
    print("In case of inconvience please call your nearest store")
    print("*"*133)
else:
    print("Would you like a reminder for a later visit??")
    choice5=int(input("Enter 1 else enter 2:"))
    if choice5==1:
        table = [[1,"Kirkee"], [2,"Shivpeth"], [3,"Pimpri"],[4,"Hinjewadi"], [5,"Chandan Nagar"]]
        headers = ["Sr. No.", "Area"]
        formatl=['grid',]
        for f in formatl:
            print(tabulate(table, headers, tablefmt=f))
        email=input("Please enter your email address:")
        phoneno=input("Please enter your phone number:")

        selectedArea=int(input("Select the Sr No. of the nearest area from above:"))
        print(" ")
        print("The address for the store is:")
        ourStores(selectedArea)
```

```
                print(" ")
                print("="*133)
                print(" ")
                print("A Reminder to visit your nearest store would be sent via email at", email,
                      "and message on",phoneno,"!!")
                print(" ")
                print("="*133)

            else:
                print("WE HOPE YOU WOULD VISIT OUR STORE SOON!")

            print(" ")
            print("Please Rate our website to help us improve and serve you better")
            print("1:Very Poor")
            print("2:Poor")
            print("3:Good")
            print("4:Very Good")
            print("5:Excellent")
            rating=int(input("Enter between 1 to 5:"))
            print(" ")
            print("Thankyou for valuable feedback")
            print(" ")

        break

now1=datetime.now()
print("Exit Date and Time:",now1)
print("-"*133)
```

INPUT/OUTPUT

```
== RESTART: C:\Users\lenovo\Desktop\CS Project 12th\Project Final Draft.py ==
Enter your Name:Ananya

*****************************************************************************************************************************************************
                                WELCOME TO AUTHENTIC AUTOMOBILE MANUFACTURERS AND DEALERS-AAMD, Ananya !!
*****************************************************************************************************************************************************

Entry Date and Time: 2020-12-26 02:54:53.788590

Press 1  if you are an Employee
Press 2 if you are a Customer
Enter your choice:1

Enter your official Email-ID:ananya@gmail.com
Enter your Designation:Manager

Press 1 for Inhouse Production Chart
Press 2 for Supplier Details
Press 3 for Altering Records
Press 4 for Production Cost Estimate
Press 5 for Employee Hirearchy
Press 6 to  View Reports
Enter your choice:1
```

Parts	Quantity_per_car
Gears	5
Synchro rings	5
Trans case	1
Clutch housing	1
Hubs	5
Sleeve	5
Shifter Fork	3
Input Shaft	1
Output Shaft	1

Total Cost Rs 20,000 per car
Production per day=400 cars

Parts	Price
Cylinder Block	1500
Cylinder Head	1100
Crank Shaft	800
Cam Shaft	400

Would you like to go to another section? If yes, press 1 else enter 2:1

Press 1 for Inhouse Production Chart
Press 2 for Supplier Details
Press 3 for Altering Records
Press 4 for Production Cost Estimate
Press 5 for Employee Hirearchy
Press 6 to View Reports
Enter your choice:2

Supplier Name	Supplier Head	Phone No.
Rico Auto	Anurag Modi	9850345671
Kalyani Forge	Shreyas Reddy	9987905623
Mhale	Nishant Kumar	9456793244
Bajaj Motors	Pradyun Das	9564390811
India Piston	Vineet Sharma	9080765644
Shakti Auto	Anubhav Gupta	9083467210
Novaris	Chetan Jain	9234561898
Metaldyne	Shivansh Sethi	9995566784
Alicon Casting Pvt Ltd	Arjun Shah	9707722435
Mhale Filters	Ayush Bhagat	9231567021
Rhane Engine Valves	Aryan Dua	9890765213
TVS Electric	Krish Gupta	9658902134
Wheels India Ltd	Kalpesh Krishna	9899342567
Valeo Plastics	Vikas Walke	9234517890
Minda	Sujjet Shah	9999675431
Safex	Sudip Nag	9966734210
Exide	Siddharth Modi	9956432901

```
Enter 1 to Email else enter 2:1
Enter Supplier's Name to be emailed:Minda
Press 1 for  Asking for update on delivery of next batch
Press 2 for Complaining of the poor quality of parts delivered.
Press 3 for For renewal of contract
Press 4 for Bi-monthly meetings
Enter your choice:2
```

==========

From: ananya@gmail.com
To: ('sujeet@minda.ac.in',)

Subject:Complaining about poor quality of parts

Dear ('Sujeet Shah',) ,
The batch received yesterday was not at par with what has been agreed upon in our contract.These parts can't be used in the making of our cars!At AAMD,we strive to serve our customersto the highest degree.
Request you to revoke the batch and send a new one at the earliest and setup a meeting todiscuss the future of our contract as soon a s possible.

Regards,
Ananya
Manager

==========

```
Would you like to go to another section? If yes, press 1 else enter 2:1
Press 1 for Inhouse Production Chart
Press 2 for Supplier Details
Press 3 for Altering Records
Press 4 for Production Cost Estimate
Press 5 for Employee Hirearchy
Press 6 to  View Reports
Enter your choice:3
```

```
Select the table you would like to edit
1)Engine Model
2)Transmission
3)Inhouse Machinig of engine parts
4)Bill of Materials
5)Tyres
6)Main Body
Enter your choice:1

What changes would you like to do in the database?
1)Delete records
2)Insert records
3)Update records
Enter your choice2

('Petrol', 'C4A', '2000', Decimal('50000'))
('Petrol', 'C4DHS', '1000', Decimal('100000'))
('Diesel', 'HX5', '2000', Decimal('150000'))
Enter the type(Petrol/Disesel):Petrol
Enter the model number:QW5
Enter the engine capacity:1500
Enter the price:200000
Record Successfully Inserted

Enter 1 to further edit this table else enter 2:1
1)Delete records
2)Insert records
3)Update records
Enter your choice1

('Petrol', 'C4A', '2000', Decimal('50000'))
('Petrol', 'C4DHS', '1000', Decimal('100000'))
('Diesel', 'HX5', '2000', Decimal('150000'))
('Petrol', 'QW5', '1500', Decimal('200000'))
Enter the Model No. that you would like to delete:QW5
Record Successfully Deleted.
```

```
Enter 1 to further edit this table else enter 2:2
Would you like to go to another section? If yes, press 1 else enter 2:1
Press 1 for Inhouse Production Chart
Press 2 for Supplier Details
Press 3 for Altering Records
Press 4 for Production Cost Estimate
Press 5 for Employee Hirearchy
Press 6 to  View Reports
Enter your choice:4
```

Category	Percentage
Materials	47%
Direct Labour	21%
Administration	10%
Other(including advetisment)	7%
R&D	6%
Depreciation	6%
Logistics	3%

```
Would you like to go to another section? If yes, press 1 else enter 2:1
Press 1 for Inhouse Production Chart
Press 2 for Supplier Details
Press 3 for Altering Records
Press 4 for Production Cost Estimate
Press 5 for Employee Hirearchy
Press 6 to  View Reports
Enter your choice:5
```

Company Level	Designation
Administrative Automobiles	President
Administrative Automobiles	CTO
Administrative Automobiles	Sales Professional
Administrative Automobiles	Finance Professional
Administrative Automobiles	Finance Sales Representative
Administrative Automobiles	Sr. Technology Specialist
Administrative Automobiles	Chief Administration Manager
Administrative Automobiles	Research Head
Administrative Automobiles	Development Manager
Executive Automobile	Sr.Technology Engineer
Executive Automobile	Hardware System Manager
Executive Automobile	Sr. Manager
Executive Automobile	Sr. Technology Analyst
Executive Automobile	Tyre and Service Provider
Executive Automobile	Construction Vehicle Repair
Executive Automobile	Tyre Technician
Executive Automobile	Auto Technician

Executive Automobile	Automotive Mechanic
Executive Automobile	Automotive Engineer
Operational Automobile	Automotive Mechanic Assistant
Operational Automobile	Owner Operator
Operational Automobile	Technology Analyst
Operational Automobile	Quality Supervisor
Operational Automobile	Automotive Supplier
Operational Automobile	Tyre Care Manager
Operational Automobile	Washer and Vehicle Dealer
Operational Automobile	Automobile Dealer Clerk
Operational Automobile	Washer
Operational Automobile	Fueler

Vacancies avaliable in the company are.....

Company Level	Designation
Administrative Automobiles	Sales Professional
Administrative Automobiles	Finance Professional
Administrative Automobiles	Finance Sales Representative
Executive Automobile	Sr. Manager
Executive Automobile	Sr. Technology Analyst
Executive Automobile	Automotive Mechanic
Executive Automobile	Automotive Engineer
Operational Automobile	Automotive Mechanic Assistant
Operational Automobile	Washer and Vehicle Dealer
Operational Automobile	Automobile Dealer Clerk
Operational Automobile	Washer
Operational Automobile	Fueler

** Interested Candidates may fill application form from our website**
Would you like to go to another section? If yes, press 1 else enter 2:2
Exit Date and Time: 2020-12-26 02:58:13.679998

```
== RESTART: C:\Users\lenovo\Desktop\CS Project 12th\Project Final Draft.py ==
Enter your Name:Ananya

**********************************************************************************************************************************************************
                                WELCOME TO AUTHENTIC AUTOMOBILE MANUFACTURERS AND DEALERS-AAMD, Ananya !!
**********************************************************************************************************************************************************

Entry Date and Time: 2020-12-26 03:24:03.503182

Press 1  if you are an Employee
Press 2 if you are a Customer
Enter your choice:2
```

Dear Valued Customer, following is the list of frequently bought spare parts

	Parts	Part Name
1	General Utility	Auto Dimming IRV Mirror
2	Safety and Security	Gear Lock
2	Safety and Security	MGA Front Fog Light Pair
2	Safety and Security	Nippon Reverse Parking Sensor
3	Music System	Sony XAV65 Touchscreen
3	Music System	Coaxial Speakers(Set of 4)
3	Music System	Rear Seat Entertainment Android
4	Car Interior	Child Seats-KA500 for upto 27kg weight
4	Car Interior	Set of all 4 doors Power Window
4	Car Interior	Pure Leather Seat Cover
5	Car Exterior	Mud Flaps(Set of 4)
5	Car Exterior	Sun door Visor-all 4 window
5	Car Exterior	Roof Luggage Carrier
5	Car Exterior	Fog Light
5	Car Exterior	Battery
5	Car Exterior	Side Indicator Bulb

5	Car Exterior	Side Window Glass
5	Car Exterior	AC Cooling Coil

Hope the above helps you in your decision making....

Press 1 for General Utility Spare Parts
Press 2 for Safety and Security Spare Parts
Press 3 for Music System Spare Parts
Press 4 for Car Interior Spare Parts
Press 5 for Car Exterior Spare Parts
Enter your choice:1

Parts	Price
Auto Dimming IRVM Mirror	6500
Sony XAV Ax5000 Touchscreen Music System	24990
Stylish Dual Tone Alloy Wheels	28000

Enter 9 to Exit else any other number:1
Enter the part name that you wish to add to your cart:Auto Dimming IRVM Mirror
Enter the required quantity:2

Enter 1 to add more from the same category else 2:2

Would you like to add something else from another category then press 1 else press 2:
Enter your choice:1

Enter Category No. of your choice:2

Parts	Price
Gear Lock	1600
MGA Front Fog Light Pair	4000
Nippon Reverse Parking Sensor	4000
Rear View Camera	8500

```
Enter 9 to Exit else any other number:1
Enter the part name that you wish to add to your cart:Gear Lock
Enter the required quantity:1

Enter 1 to add more from the same category else 2:2

Would you like to add something else from another category then press 1 else press 2:
Enter your choice:1

Enter Category No. of your choice:3
```

Parts	Price
Sony XAV65 Touchscreen AV	15990
JVC V10 KW	17990
Kenwood DDX 3035	18490
Coaxial Speaker(Set of 4 speaker)	8000
Component Speaker Pair(Set of 4 Speakers)	15000
Amplifier Range	27990
Rear Seat Entertainment Android	19990

```
Enter 9 to Exit else any other number:1
Enter the part name that you wish to add to your cart:Amplifier Range
Enter the required quantity:1

Enter 1 to add more from the same category else 2:2

Would you like to add something else from another category then press 1 else press 2:
Enter your choice:2
```

```
================================================================================================================================================
************************************************************************************************************************************************
                                                    CURRENT ITEMS IN YOUR CART ARE....
------------------------------------------------------------------------------------------------------------------------------------------------
(1, 'General Utility', 'Auto Dimming IRVM Mirror', 2)
(2, 'Safety and Security', 'Gear Lock', 1)
(3, 'Music System', 'Amplifier Range', 1)

************************************************************************************************************************************************
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```

Visit our nearest store to get your car back as new!!

Telephone No	Address	Sales Manager	Area
201223675	Shop 3 Alandi Road Kirkee,Pune-411028	Suresh Verma	Kirkee
209087864	42/43 Shivpeth Opp. Shankar Road Pawar Seatcorner,Pune-411001	Rahul Sharma	Shivpeth
207889901	Shop No.1 Mayur Prasth,Pimpri Chowk,ICICI Bank,Pune-413456	Ganesh Yadhav	Pimpri
203456897	Shop 1 Opp. Bharat Restaurant,Hinjewadi,Pune-411030	Amit Kumar	Hinjewadi
206543290	Sangharsh Chowk,Chandan Nagar,Pune-410012	Sachin Shetty	Chandan Nagar

Press 1 to request for an appointment else press 2:
Enter your choice:1

Sr. No.	Area
1	Kirkee
2	Shivpeth
3	Pimpri
4	Hinjewadi
5	Chandan Nagar

Select the Sr No. of the nearest area from above:1

```
The address for the store is:
('Shop 3 Alandi Road Kirkee,Pune-411028',)

********************************************************************************************************************************************************
Dear Ananya ,
Your appointment under your name has been made for tomorrow 5:00 PM!
In case of inconvience please call your nearest store
********************************************************************************************************************************************************
Exit Date and Time: 2020-12-26 03:36:49.627537
--------------------------------------------------------------------------------------------------------------------------------------------------------
```

REPORTS

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CURRENT ITEMS IN YOUR CART ARE....

(1, 'General Utility', 'Auto Dimming IRVM Mirror', 2)
(2, 'Safety and Security', 'Gear Lock', 1)
(5, 'Car Exterior', 'Turbo Charger', 2)

****

==========

==========

From: ananya@gmail.com
To: ('sujeet@minda.ac.in',)

Subject:Complaining about poor quality of parts

Dear ('Sujeet Shah',) ,
The batch received yesterday was not at par with what has been agreed upon in our contract.These parts can't be used in the making of our cars!At AAMD,we strive to serve our customersto the highest degree.
Request you to revoke the batch and send a new one at the earliest and setup a meeting todiscuss the future of our contract as soon a s possible.

Regards,
Ananya
Manager

==========

****

Dear Ananya ,
Your appointment under your name has been made for tomorrow 5:00 PM!
In case of inconvience please call your nearest store

****

****

REPORT: CYLINDER BLOCK

****

Delivery Date	Min. Stock	QOH	Prod. Reqt.	Defective Piece	Reorder Level	Close Stock	Exp. Delivery
2020-12-01	500	1500	2000	10	610	0	2020-12-07
2020-12-07	500	110	2500	29	3020	500	2020-12-14
2020-12-14	500	500	3000	30	3030	500	2020-12-21
2020-12-21	500	500	1500	15	1515	500	2020-12-25

****

****

REPORT: BATTERY

****

Delivery Date	QOH	Requirement	Defective Piece	Reorder Level	Expeceted Delivery
2020-12-15	400	1200	15	1215	2020-12-17
2020-12-17	400	1000	10	1010	2020-12-19
2020-12-19	400	1600	20	1620	2020-12-21
2020-12-21	400	1600	20	1620	2020-12-23
2020-12-23	400	1000	10	1010	2020-12-25

****

REPORT: FLYWHEEL

Delivery Date	QOH	Requirement	Defective Piece	Reorder Level	Expected Delivery
2020-12-15	400	800	10	810	2020-12-17
2020-12-17	400	1200	15	1215	2020-12-19
2020-12-19	400	1200	15	1215	2020-12-21
2020-12-21	400	1000	10	1010	2020-12-23
2020-12-23	400	800	10	810	2020-12-25

FURTHER ENHANCEMENT OF THE CODE

- More features like brochures of various cars along with a variety of useful spare parts and car registration could be adapted.