Title - Tata Motors car inventory handling and order management project.

Scope – We can use this code to handle the car inventory and order from the customer very efficiently.

Abstract - Tata Motor's store has different categories of car in stock as shown below:

```
Item Name = [Nexon, Harrier, Tiago, Altroz, Safari]

Price(in Lakh) = [10,18,5,8,20]

Stock = [12,15,20,10,5]
```

When user give input with 3 order as -

- 9 items of tiago
- 2 items of safari
- 3 items of harrier.

When user enters above input, the code should check the stock:

1. If the input no of order is valid. If the input no is negative, then display message:

```
Output Line 1: Invalid Input And terminate process further.
```

2. If the input car-name is from Tata motor car's list and quantity in stock is less than quantity entered by user while placing order, then display message.

```
Output Line 1: <carname> is not available
```

3. If quantity is less than stock and item is available; display a notification message showing:

Output Line 1: # Calculate price of each order and total price, and calculate the stock in hand

```
Bill of the item <carname> = <Price> Lakh
Bill of the item <carname> = <Price> Lakh
Bill of the item <carname> = <Price> Lakh
Total Amount: <Price> Lakh
```

Output Line 2: _quantity_ LEFT # Updated stock for item after purchase

Stock in Hand:

Nexon 12

Harrier 12

Tiago 11

Altroz 10

Safari 3

Sample input-

5

Nexon

10

```
12
```

Harrier

18

15

Tiago

5

20

Altroz

8

10

Safari

20

5

3

tiago

9

safari

2

harrier

3

Sample output -

Bill of the item tiago = 45 Lakh Bill of the item safari = 40 Lakh

Bill of the item harrier = 54 Lakh

Total Amount: 139 Lakh

Stock in Hand:

Nexon 12

Harrier 12

Tiago 11

Altroz 10

Safari 3

```
self.carName=cname #string
dict1[preqd]=pqty
```

Input -

```
Python_Core_Assignment ×

↑ D:\Python\venv\Scripts\python.exe D:/Python/Python_Core_Assignment.py

↓ 5

Nexon

19

± 12

Harrier

18

15

Tiago

5

2e|
Altroz

8

10

Sofori

20

5

3

tiago

9

safari
2
horrier

3
```

Output -

```
Bill of the item tiago = 45 Lakh
Bill of the item safari = 40 Lakh
Bill of the item harrier = 54 Lakh
Total Amount: 139 Lakh

Stock in Hand:
Nexon 12
Harrier 12
Tiago 11
Altroz 10
Safari 3

Process finished with exit code 0
```