**Restaurant Problem**

**Objective: Create python program to create Restaurant style application using Python.**

**Steps to perform**

1. **Create Menu using dictionary . Dictionary of Items along with prices.**
2. **Create Tables info using Dictionary. Dictionary of Table Number with capacity**
3. **Create Table occupied dictionary using table number and occupied or not.**
4. **Create Waiter info using Dictionary. Dictionary with waiterID, Table numbers waiter handles in list.**
5. **Create a function to display the Menu as good as Possible. (Organized)**
6. **Create a function to assign a table based on capacity. Function should take, Number of People, Check each table capacity and if table capacity>=People and not occupied assign the table and mark table as occupied.**

**Note: Table capacity should be as optimum as possible. If 2 people comes don’t assign table of 10 capacity.**

1. **Create a function to take the order, (Allow to enter any number of orders). And supply the bill with the help of gill generation function (look at 8).**
2. **Create a function to generate bill, which should show itemized bill and total bill along with GST, WaiterID, table number, time of Order, Restaurant Name on Top.**
3. **Create a function to clear the table occupancy of table, and write to file (See point 11).**
4. **Create a function to ask for the feedback by creating the feedback dictionary.**
5. **Store WaiterID, TableNo, OrderAmount, Tip(if Any), GST amount in file**
6. **Handle any exceptions wherever possible**
7. **Re-create Entire Program using OOPS style**

**Note: Feel free to add any functions if you feel like. Any extra functionality will be added advantage.**