*#Restaurant*class Restaurant:  
 def \_\_init\_\_(self):  
 self.menu = {  
 1: {"name": "Chicken Briyani", "price": 190},  
 2: {"name": "Mutton Briyani", "price": 250},  
 3: {"name": "Mutton Pepper", "price": 100},  
 4: {"name": "Chicken Kabab", "price": 120},  
 5: {"name": "Fish Fries", "price": 130},  
 6: {"name": "Chicken Rice", "price": 120},  
 7: {"name": "Chicken Lollipop", "price": 140},  
 8: {"name": "Green Chilli", "price": 170},  
 9: {"name": "Mutton Liver Masala", "price": 199},  
 10: {"name": "Tandoori Chicken", "price": 220},  
 11: {"name": "Tandoori Fish Tikka", "price": 190},  
 12: {"name": "Prawn tawa Fry", "price": 290}  
 }  
 self.ordered\_items = {}  
 self.total = 0  
 self.discount = 0  
 self.payment = 0  
 self.change = 0  
  
*#Display Menu List* def display\_menu(self):  
 print("Menu list".center(21, "\*"))  
 for key, value in self.menu.items():  
 print(f"{key}. {value['name']} - {value['price']}")  
  
*#Choice & Quantity* def take\_order(self):  
 while True:  
 choice = int(input("Enter your choice (0 to finish): "))  
 if choice == 0:  
 break  
 quantity = int(input("How many: "))  
 if choice in self.menu:  
 self.ordered\_items[choice] = quantity  
 self.total += self.menu[choice]["price"] \* quantity  
 else:  
 print("Invalid choice")  
  
*#Discount* def calculate\_discount(self):  
 if self.total > 1500:  
 self.discount = self.total \* 0.3  
 self.total -= self.discount  
  
*#Receipt* def build\_receipt(self):  
 print("\nReceipt")  
 print("==========")  
 print("Master Restaurant")  
 print("Number of persons:", len(self.ordered\_items))  
 print("Ordered items:")  
 for key, value in self.ordered\_items.items():  
 print(f"{self.menu[key]['name']}: {value} x {self.menu[key]['price']} = {value \* self.menu[key]['price']}")  
 print("Total:", self.total)  
 if self.discount:  
 print("Discount (30%):", self.discount)  
 print("Final Amount:", self.total)  
 print("Payment Amount:", self.payment)  
 print("Change:", self.change)  
 print("Thank you for dining with us!")  
 print("==========")  
  
 def process\_payment(self):  
 self.payment = float(input("Enter payment amount: "))  
 if self.payment >= self.total:  
 self.change = self.payment - self.total  
 self.build\_receipt()  
 else:  
 print("Insufficient payment. Please pay the remaining amount.")  
  
*#Finally Print the value*def main():  
 restaurant = Restaurant()  
 print("Master Restaurant")  
 num\_persons = int(input("Enter number of persons: "))  
 restaurant.display\_menu()  
 restaurant.take\_order()  
 restaurant.calculate\_discount()  
 print("Total:", restaurant.total)  
 if restaurant.discount:  
 print("Discount (30%):", restaurant.discount)  
 print("Final Amount:", restaurant.total)  
 restaurant.process\_payment()  
  
if \_\_name\_\_ == "\_\_main\_\_":  
 main()