

```
class Library:
```

```
    def __init__(self, book_name, book_Id, author):
```

```
        self.book_name = book_name
```

```
        self.book_Id = book_Id
```

```
        self.author = author
```

```
    def show(self):
```

```
        print("Book Name:", self.book_name)
```

```
        print("Book ID:", self.book_Id)
```

```
        print("Author:", self.author)
```

```
class Member:
```

```
    def __init__(self, member_name, member_Id, due):
```

```
        self.member_name = member_name
```

```
        self.member_Id = member_Id
```

```
        self.due = due
```

```
    def disp(self):
```

```
        print("Member Name:", self.member_name)
```

```
        print("Member ID:", self.member_Id)
```

```
        print("Due Date to return the book:", self.due)
```

```
class LibraryManagement(Library, Member):
```

```
    def __init__(self, book_name, book_Id, author, member_name, member_Id, due):
```

```
        Library.__init__(self, book_name, book_Id, author)
```

```
        Member.__init__(self, member_name, member_Id, due)
```

```
    def dis(self):
```

```
        self.show()
```

```
        self.disp()
```

```
lib = LibraryManagement("Haunting Adeline", 7876, "H.D. Carlton", "Lara", 874, "4-12-2024")
```

```
lib.dis()
```

```
class Restaurant:
```

```
def __init__(self,r_name,dish,price):  
    self.r_name=r_name  
    self.dish=dish  
    self.price=price  
def show(self):  
    print("Restaurant:",self.r_name)  
    print("Dish:",self.dish)  
    print("Price:",self.price)  
class Delivery:  
    def __init__(self,d_name,contact):  
        self.d_name=d_name  
        self.contact=contact  
    def dis(self):  
        print("Delivery Person Name:",self.d_name)  
        print("Delivery Person Contact:",self.contact)  
class Info(Restaurant,Delivery):  
    def __init__(self,r_name,dish,price,d_name,contact):  
        super().__init__(r_name,dish,price)  
        Delivery.__init__(self,d_name,contact)  
    def disp(self):  
        self.show()  
        self.dis()  
x=Info("Samco","Brownie",180,"Arjun",6864689241)  
x.disp()
```