

## QUESTION 1:

```
class Library:
    def __init__(self,b_name,b_author,b_year):
        self.b_name=b_name
        self.b_author=b_author
        self.b_year=b_year
    def displayBookDetails(self):
        print(f"Book Name:{self.b_name}\nAuthor of the
Book:{self.b_author}\nYear of publishing:{self.b_year}")
class Member:
    def __init__(self,m_name,m_id,due_date):
        self.m_name=m_name
        self.m_id=m_id
        self.due_date=due_date
    def displayMemberDetails(self):
        print(f"Member Name:{self.m_name}\nMember
ID:{self.m_id}\nDue Date:{self.due_date}")
class LibraryManagement(Library,Member):
    def
__init__(self,b_name,b_author,b_year,m_name,m_id,due_date):
        Library.__init__(self,b_name,b_author,b_year)
        Member.__init__(self,m_name,m_id,due_date)
    def displayLibraryManagementInfo(self):
```

```
        self.displayBookDetails()
        self.displayMemberDetails()
Lm=LibraryManagement("Harry
Potter","J.K.Rowling",1997,"Anika",2303,"14-12-2024")
Lm.displayLibraryManagementInfo()
```

## QUESTION 2:

```
class Restaurant:
```

```
    def __init__(self,restaurant_name,menu):
        self.restaurant_name=restaurant_name
        self.menu=menu
    def displayMenu(self):
        print(self.restaurant_name)
        print(self.menu)
```

```
class Delivery:
```

```
    def __init__(self,rider_name,rider_contact,delivery_place):
        self.rider_name=rider_name
        self.rider_contact=rider_contact
        self.delivery_place=delivery_place
    def displayDeliveryDetails(self):
        print(f"Rider name:{self.rider_name}\nRider
Contact:{self.rider_contact}\nDelivery
place:{self.delivery_place}")
```

```
class Order(Restaurant,Delivery):
    def
__init__(self,restaurant_name,menu,rider_name,rider_contact,delivery_place):
    Restaurant.__init__(self,restaurant_name,menu)

    Delivery.__init__(self,rider_name,rider_contact,delivery_place)

    def displayOrderDetails(self):
        self.displayMenu()
        self.displayDeliveryDetails()

rm=Order("The Taj Hotel","\nBiriyani\nFried
rice\nParotta\nButter
Naan","Ram",9465287530,"Mammallapuram")
rm.displayOrderDetails()
```