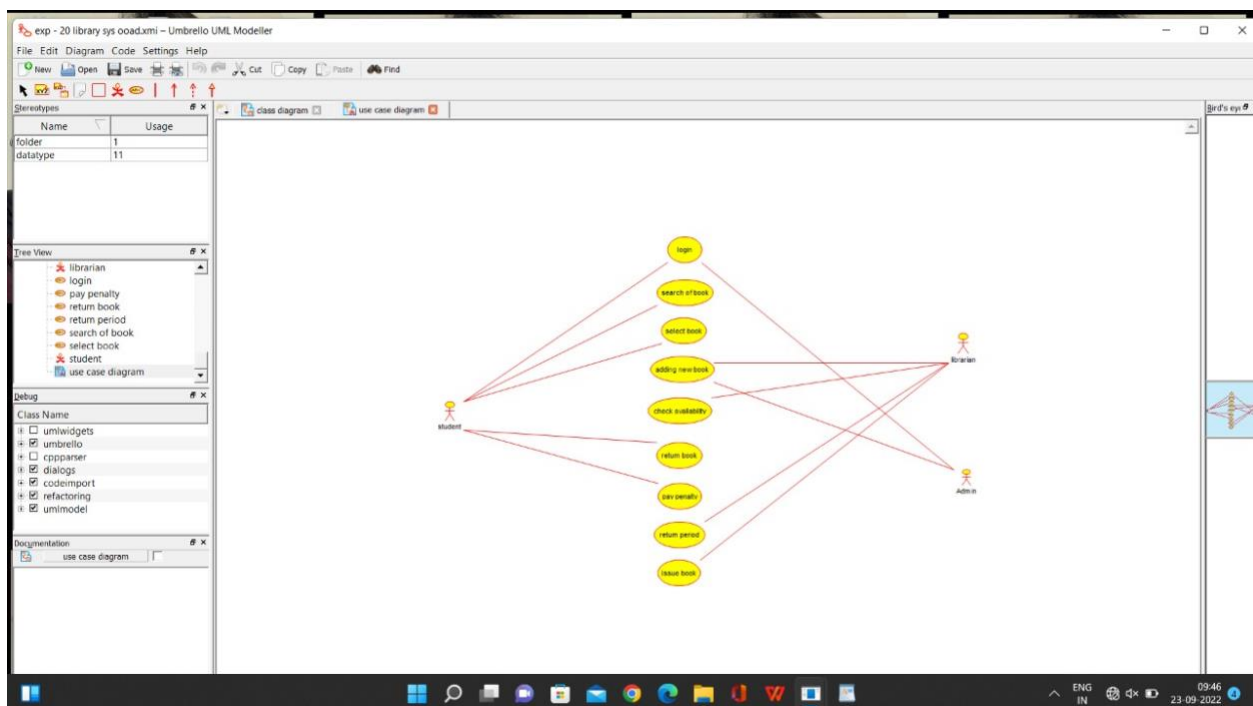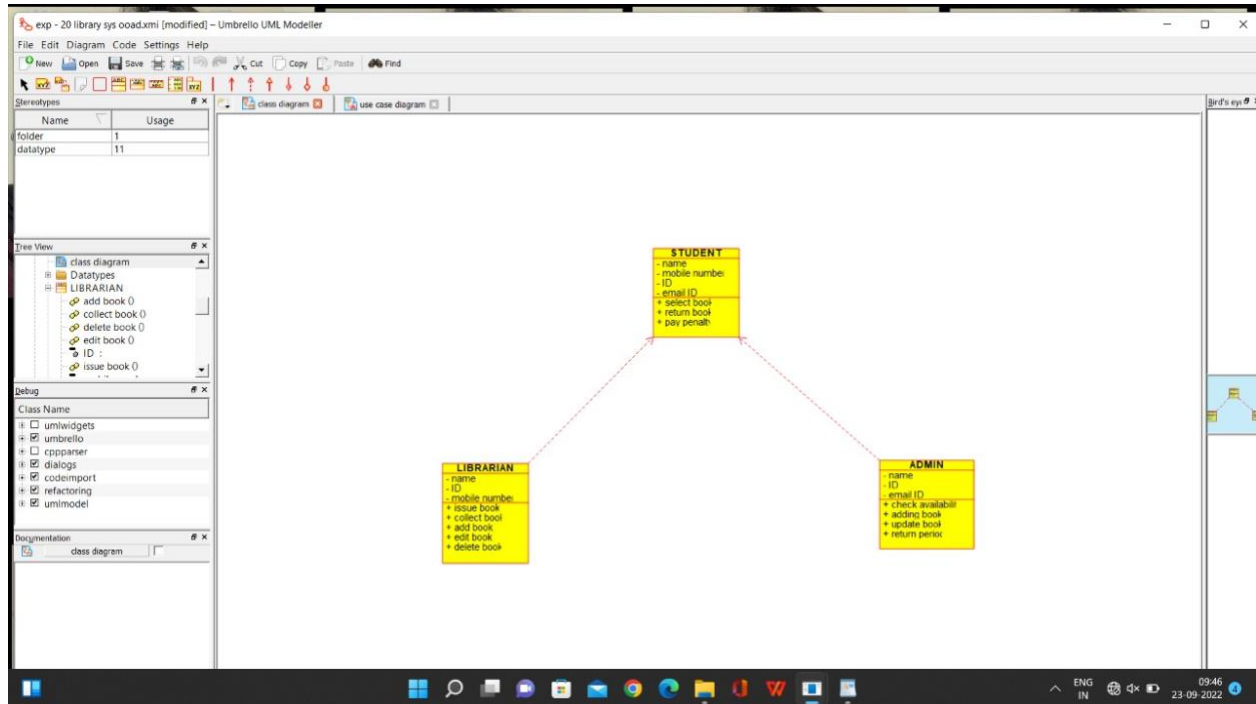**Name:**B.Aravinda Valli

Reg No :192011442

Experiment-20

Library management system

USE CASE DIAGRAM:

CLASS DIAGRAM:

 # coding=System

from STUDENT import *

class ADMIN(object):

   """

   :version:

   :author:

```
    """

    """ ATTRIBUTES


    name_  (private)



    ID_  (private)




    email_ID_  (private)


    """


    def check_availability_(self):
        """



        @return :
        @author
        """

        pass


    def adding_book_(self):
```

```python
        """



        @return :
        @author
        """

        pass


    def update_book_(self):
        """



        @return :
        @author
        """

        pass


    def return_period_(self):
        """



        @return :
        @author
        """

        pass


from STUDENT import *
```

```python
class LIBRARIAN(object):

    """


    :version:
    :author:
    """
# coding=System


    """ ATTRIBUTES


    name_  (private)



    ID_  (private)



    mobile_number_  (private)

    """


    def issue_book_(self):
        """
```

```
        @return :
        @author
        """

        pass


    def collect_book_(self):
        """




        @return :
        @author
        """

        pass


    def add_book_(self):
        """




        @return :
        @author
        """

        pass


    def edit_book_(self):
        """
```

```
        @return  :

        @author

        """

        pass


    def delete_book_(self):

        """




        @return  :

        @author

        """

        pass


# coding=System


class STUDENT(object):

    """




    :version:

    :author:

    """


    """ ATTRIBUTES
```

name_ (private)

mobile_number_ (private)

ID_ (private)

email_ID_ (private)

"""

```python
def select_book_(self):
    """


    @return :
    @author
    """
    pass

def return_book_(self):
```

```python
        """



        @return  :
        @author
        """

        pass


    def pay_penalty_(self):
        """



        @return  :
        @author
        """

        pass
```