

# **Fee Management**

**21CSS101J – Programming for Problem solving**

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# **SRM**

**INSTITUTE OF SCIENCE & TECHNOLOGY**  
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## Table of Contents

<b>Sr. No.</b>	<b>Title</b>	<b>Page no.</b>
<b>1</b>	<b>Problem Statement</b>	
<b>2</b>	<b>Methodology</b>	
<b>3</b>	<b>Source code</b>	
<b>4</b>	<b>Results</b>	
<b>5</b>	<b>Conclusion</b>	

## **PROBLEM STATEMENT**

Our project is Fee Management with the use of python and SQL as database

## **METHODOLOGY**

This software provides a secure database with front-end as PYTHON IDLE 3.7 which is a simple, fast and superb GUI (Graphical User Interface) and MYSQL 5.2 as backend. This project is both informative and entertaining. It enhances the programming quotient of programming.

This project provides the facility to enter, modify, delete and search the records as well as also allows us to view them.

The database is controlled by administrator, which can only be accessed with the help of a database password.

---

## **SOURCE CODE :**

```

import mysql.connector as myc

def connect():
    global con
    global cursor
    con=myc.connect(host='localhost',user='root',password='dietytmoi',
                    database='menagerie',charset='utf8')
    if con.is_connected()==False:
        print('Connection could not be established')

def addRecord():
    scholarid=input('Enter Scholar ID:')
    studentname=input('Enter Student Name:')
    Class=input('Enter Student class:')
    section=input('Enter Student section:')
    mobile=int(input('Enter Mobile:'))
    email=input('Enter Email:')
    amtpaid=int(input('Enter amount of fees which is paid'))
    amtleft=int(input('Enter amount of fees which is unpaid'))
    query="insert into students
values('{}','{}','{}','{}','{}','{}','{}').format(scholarid,studentname,Class,section,mobile,email,amtpaid,amtleft)
    cursor=con.cursor()
    cursor.execute(query)
    con.commit()

print('*****
*')
    print('Record Added successfully')

print('*****
*')
    x=input('Press <ENTER> to continue.....')
    print('\n'*3)

def displayAll():
    cursor=con.cursor()
    cursor.execute('select * from students')
    data=cursor.fetchall()
    if data==[]:

print('*****
*')
        print('xxxxxxx No Record Found!! xxxxxx')

print('*****
*')
    else:

```

```
print('*****FEE
MANAGMENT*****')
```

```
print('SCHOLARID\tSTUDENTNAME\tCLASS\tSECTION\tMOBILE\t\tEMAIL\t\tAMTPAID\tAM
TUNPAID')
```

```
for row in data:
```

```
print(row[0],'\t\t',row[1],'\t',row[2],'\t',row[3],'\t\t',row[4],'\t',row[5],'\t',row[6],'\t\t',row[7
])
```

```
print('*****
*')
```

```
x=input('Press <ENTER> to continue.....')
```

```
print('\n'*2)
```

```
def delRecord():
```

```
displayAll()
```

```
id=input('Enter SCHOLARID of the student to be deleted:')
```

```
x=int(input('Are you sure to delete the record. Press 1 for YES and 0 for NO: '))
```

```
if x==1:
```

```
cur=con.cursor()
```

```
cur.execute("delete from students where scholarid='%s' " % (id))
```

```
con.commit()
```

```
print('*****
*')
```

```
print('Record deleted successfully')
```

```
print('*****
*')
```

```
else:
```

```
print('*****
*')
```

```
print('Delete Operation is Cancelled')
```

```
print('*****
*')
```

```
x=input('Press <ENTER> to continue.....')
```

```
print('\n'*3)
```

```
def searchByName():
```

```
name=input('Enter Student Name to search: ')
```

```
query="select * from students where studentname='%s' " %(name)
```

```
cur=con.cursor()
```

```
cur.execute(query)
```

```
data=cur.fetchall()
```

```
if data==[]:
```

```

print('*****
*')
    print('xxxxxxx No Record Found!! xxxxxxxx')

print('*****
*')
    else:

print('*****
*')

print('SCHOLARID\tSTUDENTNAME\tCLASS\tSECTION\tMOBILE\t\tEMAIL\t\tAmtpaid\t\tAm
tunpaid')
    for row in data:

print(row[0],'\t\t\t',row[1],'\t',row[2],'\t',row[3],'\t\t\t',row[4],'\t',row[5],'\t',row[6],'\t\t\t',row[7
])

print('*****
*')

    x=input('Press <ENTER> to continue.....')
    print('\n'*3)

def searchById():
    id=input('Enter Student ID to search: ')
    query="select * from students where scholarid='%s' " %(id)
    cur=con.cursor()
    cur.execute(query)
    data=cur.fetchall()
    if data==[]:

print('*****
*')
    print('xxxxxxx No Record Found!! xxxxxxxx')

print('*****
*')
    else:

print('*****
*')

print('SCHOLARID\tSTUDENTNAME\tCLASS\tSECTION\tMOBILE\t\tEMAIL\t\tAmtpaid\t\tAm
tunpaid')
    for row in data:

```

```
print(row[0],'\t\t\t',row[1],'\t',row[2],'\t',row[3],'\t\t\t',row[4],'\t',row[5],'\t',row[6],'\t\t\t',row[7])
```

```
print('*****  
*')
```

```
    x=input('Press <ENTER> to continue.....')  
    print('\n'*3)
```

```
def searchByClass():  
    Class=input('Enter Class to search: ')  
    query="select * from students where class='%s' " %(Class)  
    cur=con.cursor()  
    cur.execute(query)  
    data=cur.fetchall()  
    if data==[]:
```

```
print('*****  
*')  
    print('xxxxxxx No Record Found!! xxxxxxxx')
```

```
print('*****  
*')  
    else:
```

```
print('*****  
*')
```

```
print('SCHOLARID\tSTUDENTNAME\tCLASS\tSECTION\tMOBILE\t\tEMAIL\t\tAmtpaid\t\tAmtunpaid')  
    for row in data:
```

```
print(row[0],'\t\t\t',row[1],'\t',row[2],'\t',row[3],'\t\t\t',row[4],'\t',row[5],'\t',row[6],'\t\t\t',row[7])
```

```
print('*****  
*')
```

```
    x=input('Press <ENTER> to continue.....')  
    print('\n'*3)
```

```
def searchBySection():  
    section=input('Enter Section to search: ')  
    query="select * from students where section='%s' " %(section)  
    cur=con.cursor()  
    cur.execute(query)  
    data=cur.fetchall()  
    if data==[]:
```

```

print('*****
*)
    print('xxxxxxx No Record Found!! xxxxxxxx')

print('*****
*)
    else:

print('*****
*)

print('SCHOLARID\tSTUDENTNAME\tCLASS\tSECTION\tMOBILE\t\tEMAIL\t\tAmtpaid\t\tAm
tunpaid')
    for row in data:

print(row[0],'\t\t\t',row[1],'\t',row[2],'\t',row[3],'\t\t\t',row[4],'\t',row[5],'\t',row[6],'\t\t\t',row[7
])
    print('*****
*****')

    x=input('Press <ENTER> to continue.....')
    print('\n'*3)

def modifyRecord(option):
    if option==1:
        newname=input('Enter new name: ')
        scholarid=input('Enter Scholar ID of the student: ')
        query="update students set studentname='%s' where scholarid='%s' " %
(newname,scholarid)
        cur=con.cursor()
        cur.execute(query)
        con.commit()

print('*****
*)
    print('Record updated successfully')

print('*****
*)
    elif option==2:
        newclass=input('Enter new Class: ')
        scholarid=input('Enter Scholar ID of the student: ')
        query="update studens set class='%s' where scholarid='%s' " % (newcity,scholarid)
        cur=con.cursor()
        cur.execute(query)
        con.commit()

```



```

print('*****
*')
    print('Record updated successfully')

print('*****
*')
    elif option==3:
        newsection=input('Enter new Section: ')
        scholarid=input('Enter Scholar ID of the student: ')
        query="update students set section='%s' where scholarid='%s' " % (newsection,scholarid)
        cur=con.cursor()
        cur.execute(query)
        con.commit()

print('*****
*')
    print('Record updated successfully')

print('*****
*')
    elif option==4:
        newmobile=int(input('Enter new Mobile No.: '))
        pid=input('Enter Scholar ID of the student: ')
        query="update students set mobile=%s where scholarid='%s' " % (newmobile,pid)
        cur=con.cursor()
        cur.execute(query)
        con.commit()

print('*****
*')
    print('Record updated successfully')

print('*****
*')
    elif option==5:
        newemail=input('Enter new Email-Id: ')
        pid=input('Enter Scholar ID of the student: ')
        query="update students set email='%s' where scholarid='%s' " % (newemail,pid)
        cur=con.cursor()
        cur.execute(query)
        con.commit()

print('*****
*')
    print('Record updated successfully')

print('*****
*')

```

```

elif option==6:
    newamtpaid=int(input('Enter present amount paid for the student'))
    sid=input('Enter Scholar ID of the student: ')
    query="update students set amtpaid='%s' where scholarid='%s' " % (newamtpaid,sid)
    cur=con.cursor()
    cur.execute(query)
    con.commit()

print('*****
*')
    print('Record updated successfully')

print('*****
*')
    q="update students set amtleft='%s' where scholarid='%s' "%(25000-newamtpaid,sid)

#main block
connect()
while True:
    print('-----
-----')
    print('MENU:')
    print('1. ADD NEW RECORD')
    print('2. DISPLAY FEE BOOK')
    print('3. SEARCH RECORD(s)')
    print('4. DELETE RECORD(s)')
    print('5. MODIFY RECORD(s)')
    print('6. QUIT THE APPLICATION')
    choice=int(input('Enter Your Choice as 1,2,3,4,5 or 6: '))

    if choice==1:
        addRecord()
    elif choice==2:
        displayAll()
    elif choice==3:
        while True:

print('*****
*')
    print('Select the criteria for searching!!!')

print('*****
*')
    print('1. Search Name-wise!')
    print('2. Search ID-wise!')
    print('3. Search Class-wise!')

```

```

    print('4. Search Section-wise!')
    print('5. Return to the main menu')
    a=int(input('Enter choice: '))
    if a==1:
        searchByName()
    elif a==2:
        searchById()
    elif a==3:
        searchByClass()
    elif a==4:
        searchBySection()
    elif a==5:
        break

elif choice==4:
    delRecord()

elif choice==5:
    while True:

print('*****')
    print('Select the Field To Modify !!!')

print('*****')
    print('1. Modify Name!')
    print('2. Modify Class!')
    print('3. Modify Section!')
    print('4. Modify Mobile No.')
    print('5. Modify Email ID')
    print('6. Modify Amtpaid')
    print('7. Return to main menu')
    option=int(input('Enter choice: '))
    if option in [1,2,3,4,5,6]:
        modifyRecord(option)
    elif option==7:
        break

elif choice==6:
    print('Thank You !!!')
    break

```

# OUTPUT SCREENS

## WELCOME SCREEN

MENU:  
1. ADD NEW RECORD  
2. DISPLAY FEE BOOK  
3. SEARCH RECORD(s)  
4. DELETE RECORD(s)  
5. MODIFY RECORD(s)  
6. QUIT THE APPLICATION  
Enter Your Choice as 1,2,3,4,5 or 6:

## ADD NEW RECORD SCREEN

MENU:  
1. ADD NEW RECORD  
2. DISPLAY FEE BOOK  
3. SEARCH RECORD(s)  
4. DELETE RECORD(s)  
5. MODIFY RECORD(s)  
6. QUIT THE APPLICATION  
Enter Your Choice as 1,2,3,4,5 or 6: 1  
Enter Scholar ID:94157  
Enter Student Name:Mohit  
Enter Student class:12  
Enter Student section:A  
Enter Mobile:6738767945  
Enter Email:mohit@hotmail.com  
Enter amount of fees which is paid:23878  
Enter amount of fees which is unpaid:6700  
\*\*\*\*\*  
Record Added successfully  
\*\*\*\*\*  
Press <ENTER> to continue.....|

## DISPLAY ADDRESS BOOK SCREEN

MENU:  
1. ADD NEW RECORD  
2. DISPLAY FEE BOOK  
3. SEARCH RECORD(s)  
4. DELETE RECORD(s)  
5. MODIFY RECORD(s)  
6. QUIT THE APPLICATION  
Enter Your Choice as 1,2,3,4,5 or 6: 2  
\*\*\*\*\*FEE MANAGEMENT\*\*\*\*\*  

SCHOLARID	STUDENTNAME	CLASS	SECTION	MOBILE	EMAIL	AMTPAID	AMTUNPAID
12345	Achyut	12	A	7648976538	achyut@gmail.com	45000	15000
67890	Aditya	12	A	9735776545	aditya@gmail.com	35000	25000
13579	Nikhil	12	B	8745645789	nikhil@gmail.com	32800	28799
14701	Bilal	12	C	6836586478	bilal@gmail.com	56000	15600
78356	Harshh	12	D	9645367854	harshh@gmail.com	35694	16547
94157	Mohitt	12	A	6738767945	mohitt@gmail.com	23878	26700

  
\*\*\*\*\*  
Press <ENTER> to continue.....|

# SEARCH RECORD(S) SCREEN

MENU:

1. ADD NEW RECORD
2. DISPLAY FEE BOOK
3. SEARCH RECORD(s)
4. DELETE RECORD(s)
5. MODIFY RECORD(s)
6. QUIT THE APPLICATION

Enter Your Choice as 1,2,3,4,5 or 6: 3

Select the criteria for searching!!!

1. Search Name-wise!
2. Search ID-wise!
3. Search Class-wise!
4. Search Section-wise!
5. Return to the main menu

Enter choice: 1

Enter Student Name to search: bilall

SCHOLARID	STUDENTNAME	CLASS	SECTION	MOBILE	EMAIL	Amtpaid	Amtunpaid
14701	Bilall	12	C		6836586478	bilall@gmail.com	56000 15600

Press <ENTER> to continue.....

Select the criteria for searching!!!

1. Search Name-wise!
2. Search ID-wise!
3. Search Class-wise!
4. Search Section-wise!
5. Return to the main menu

Enter choice: 3

Enter Class to search: 12

SCHOLARID	STUDENTNAME	CLASS	SECTION	MOBILE	EMAIL	Amtpaid	Amtunpaid
12345	Achyut	12	A		7648976538	achyut@gmail.com	45000 15000
67890	Aditya	12	A		9735776545	aditya@gmail.com	35000 25000
13579	Nikhil	12	B		7654897635	nikhil@gmail.com	32800 28799 28799
14701	Bilall	12	C		6836586478	bilall@gmail.com	56000 15600
78356	Harshh	12	D		9645367854	harshh@hmail.com	35694 16547

Select the criteria for searching!!!

1. Search Name-wise!
2. Search ID-wise!
3. Search Class-wise!
4. Search Section-wise!
5. Return to the main menu

Enter choice: 4

Enter Section to search: d

SCHOLARID	STUDENTNAME	CLASS	SECTION	MOBILE	EMAIL	Amtpaid	Amtunpaid
78356	Harshh	12	D		9645367854	harshh@hmail.com	35694 16547

```

Select the criteria for searching!!!
*****
1. Search Name-wise!
2. Search ID-wise!
3. Search Class-wise!
4. Search Section-wise!
5. Return to the main menu
Enter choice: 2
Enter Student ID to search: 13579
*****
SCHOLARID      STUDENTNAME    CLASS  SECTION MOBILE      EMAIL      Amtpaid      Amtunpaid
13579          Nikhil         12     B        7654897635   nikhil@gmail.com  32800      28799
*****

```

## DELETE RECORD SCREEN

CS PROJECT TOPIC: FEE MANAGEMENT , DEVELOPED BY: ACHYUT YADAV,ADITAY SINHA,NIKHIL SINGH,MOHAMMAD BILAL LPS, SEC-D

```

MENU:
1. ADD NEW RECORD
2. DISPLAY FEE BOOK
3. SEARCH RECORD(s)
4. DELETE RECORD(s)
5. MODIFY RECORD(s)
6. QUIT THE APPLICATION
Enter Your Choice as 1,2,3,4,5 or 6: 4
*****FEE MANAGEMENT*****
SCHOLARID      STUDENTNAME    CLASS  SECTION MOBILE      EMAIL      AMTPAID      AMTUNPAID
12345          Achyut         12     A        7648976538   achyut@gmail.com  45000      15000
67890          Aditya         12     A        9735776545   aditya@gmail.com  35000      25000
13579          Nikhil         12     B        8745645789   nikhil@gmail.com  32800      28799
14701          Bilal          12     C        6836586478   bilal@gmail.com   56000      15600
78356          Harshh         12     D        9645367854   harshh@gmail.com  35694      16547
94157          Mohitt         12     A        6738767945   mohitt@gmail.com  23878      26700
*****
Press <ENTER> to continue.....

```

```

Enter SCHOLARID of the student to be deleted:94157
Are you sure to delete the record. Press 1 for YES and 0 for NO: 1
*****
Record deleted successfully
*****
Press <ENTER> to continue.....|

```

## MODIFY RECORD SCREEN

```

*****
Select the Field To Modify !!!
*****
1. Modify Name!
2. Modify Class!
3. Modify Section!
4. Modify Mobile No.
5. Modify Email ID
6. Modify Amtpaid
7. Return to main menu
Enter choice: 4
Enter new Mobile No.: 9454367852
Enter Scholar ID of the student: 13579
*****
Record updated successfully
*****

```