CONTENT

WHAT IS FEE MANAGEMENT SOFTWARE ?

A fee management software is a task management system that automates fee collection and receipt generation. It also automates entries into the school accounts that help in reducing errors and eliminating duplicate data entries. The system supports both private and public schools of all sizes. The school management system software that includes fee management and accounts management modules can assist the school authorities in automating and performing various finance - related tasks. Such tasks include fee collection, customizing fee structure, setting discounts , tracking fraudulent transactions, adding fees, improving the cash management process and much more. Using this software, you can easily keep a real-time track of fee payments and other financial records. If you prefer to use a cloud system, you can transfer student details and fees details to the cloud by a single click.

It is not a difficult task for a user to integrate the fee management module with other modules of a school management software. Integrating fee management with other modules provides a wider engagement for students and parents with the institution and improved productivity for the school.

What Makes Fee Management Software “Must Have” For A School?

- **Ease of fee collection**
- **Payment via, Online and offline modes**
- **View fee collection by date, time, or a date range**
- **Month to month Collection Report**
- **Reduces cost and increases efficiency**
- **Day to day Fee collection particulars**
- **Due Fee reminders**
- **Outstanding fee details**
- **Easy access to View the cash, cheque, bank transfer, card, and Advance amount**
- **Student wise fee particulars**
- **Email/SMS alerts and fee receipts**
- **Facility to adjust penalty and concession amounts, if applicable**
- **Reports in various formats**

Using This Project A User Can Accomplish The Following Task-:

- Add Student Detail in Student Table
- View Student Detail Of Student Table
- Deposit Fee in Fee Table
- Remove Student Detail From Both Table
- View Fee Detail Of A Particular Student

SOFTWARE SPECIFICATION:-

Operating System	**:**	**Windows 7**
Platform	**:**	**Python IDLE 3.7**
Database	**:**	**MySQL**
Languages	**:**	**Python**

HARDWARE SPECIFICATION:-

Processor	**:**	**Dual Core and above**
Hard Disk	**:**	**40GB**
Ram	**:**	**1024 MB**

Note: ***For Python-MySQL connectivity, following data have been used:-***

Host- localhost, user- root, password- 1234, database- school

SQL COMMANDS TO CREATE BOTH THE TABLES

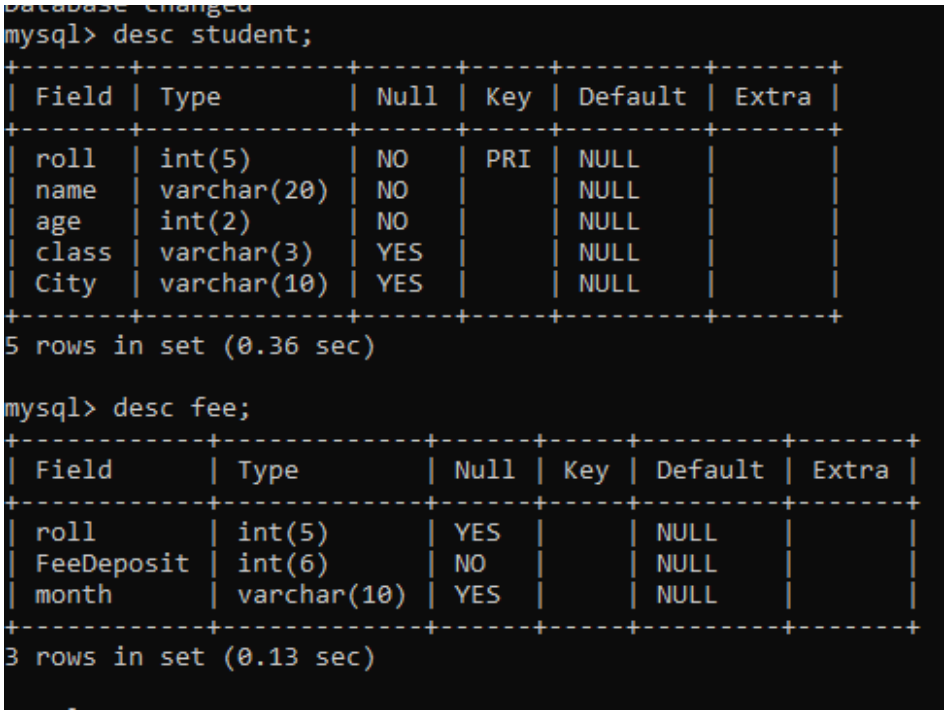
For Student table:

```
mysql> CREATE TABLE student (roll int(5) Primary key, name
    ->varchar(20) NOT NULL,
    ->age int(2) NOTNULL,
   ->class varchar(3) NOT NULL,
   ->City varchar(10));
```

For Fee table:

```
mysql> CREATE TABLE fee (roll int(5) references Student(roll),
    ->FeeDeposit int(6) NOT NULL,
    ->month varchar(10) NOT NULL);
```

TABLE STRUCTURE(IMAGE GIVEN BELOW)



```
mysql> desc student;
+-------+-------------+------+-----+---------+-------+
| Field | Type        | Null | Key | Default | Extra |
+-------+-------------+------+-----+---------+-------+
| roll  | int(5)      | NO   | PRI | NULL    |       |
| name  | varchar(20) | NO   |     | NULL    |       |
| age   | int(2)      | NO   |     | NULL    |       |
| class | varchar(3)  | YES  |     | NULL    |       |
| City  | varchar(10) | YES  |     | NULL    |       |
+-------+-------------+------+-----+---------+-------+
5 rows in set (0.36 sec)

mysql> desc fee;
+------------+-------------+------+-----+---------+-------+
| Field      | Type        | Null | Key | Default | Extra |
+------------+-------------+------+-----+---------+-------+
| roll       | int(5)      | YES  |     | NULL    |       |
| FeeDeposit | int(6)      | NO   |     | NULL    |       |
| month      | varchar(10) | YES  |     | NULL    |       |
+------------+-------------+------+-----+---------+-------+
3 rows in set (0.13 sec)
```

SOURCE CODE

```
import mysql.connector

mydb =
mysql.connector.connect(host='localhost',user='root',password='1234',
database='School')
mycursor=mydb.cursor()

def stuInsert():
  L=[]
  roll=int(input("Enter the roll number : "))
  L.append(roll)
  name=input("Enter the Name: ")
  L.append(name)
  age=int(input("Enter Age of Student : "))
  L.append(age)
  classs=input("Enter the Class : ")
  L.append(classs)
  city=input("Enter the City ofthe Student : ")
  L.append(city)
  stud=(L)
  sql="insert into student (roll,name,age,class,city) values (%s,%s,%s,
%s,%s)"
  mycursor.execute(sql,stud)
  mydb.commit()

def stuView():
  print("Select the search criteria : ")
  print("1. Roll")
  print("2. Name")
  print("3. Age")
  print("4. City")
```

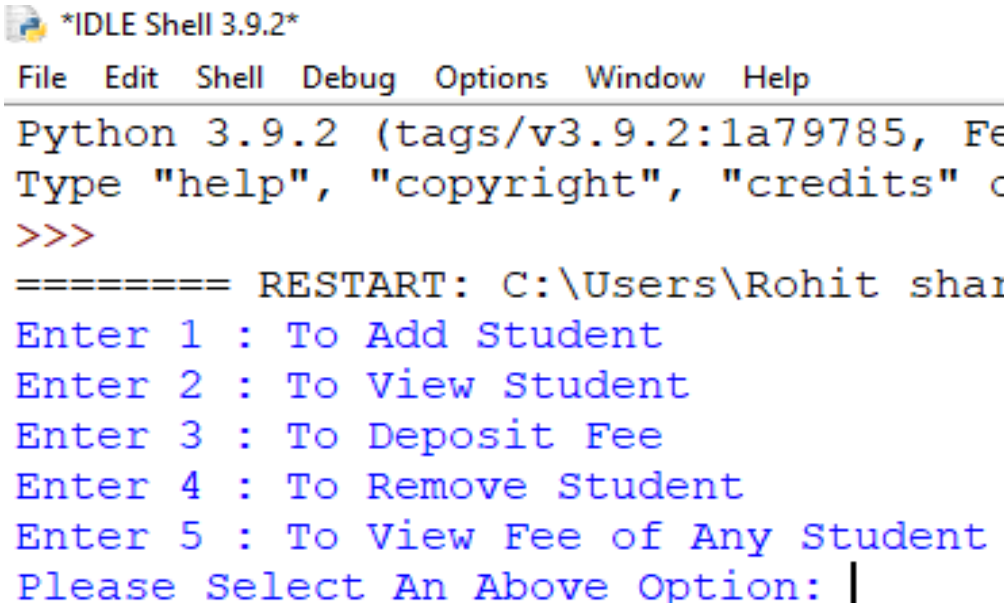
```
  print("5. All")
  ch=int(input("Enter the choice : "))
  if ch==1:
    s=int(input("Enter roll no : "))
    rl=(s,)
    sql="select * from student where roll=%s"
    mycursor.execute(sql,rl)
  elif ch==2:
    s=input("Enter Name : ")
    rl=(s,)
    sql="select * from student where name=%s"
    mycursor.execute(sql,rl)
  elif ch==3:
    s=int(input("Enter age : "))
    rl=(s,)
    sql="select * from student where age=%s"
    mycursor.execute(sql,rl)
  elif ch==4:
    s=input("Enter City : ")
    rl=(s,)
    sql="select * from student where City=%s"
    mycursor.execute(sql,rl)
  elif ch==5:
    sql="select * from student"
    mycursor.execute(sql)
  res=mycursor.fetchall()
  print("The Students details are as follows : ")
  print("(ROll, Name, Age, Class, City)")
  for x in res:
    print(x)

def feeDeposit():
  L=[]
  roll=int(input("Enter the roll number : "))
  L.append(roll)
```

```
  feedeposit=int(input("Enter the Fee to be deposited : "))
  L.append(feedeposit)
  month=input("Enter month of fee : ")
  L.append(month)
  fee=(L)
  sql="insert into fee(roll,feeDeposit,Month) values (%s,%s,%s)"
  mycursor.execute(sql,fee)
  mydb.commit()
  print ("fee deposit successfully")

def feeView():
  print("Please enter the details to view the fee details :")
  roll=int(input("Enter the roll number of the student whose fee is to be
viewed : "))
  sql="Select Student.Roll, Student.Name, Student.Class,
sum(fee.feeDeposit), fee.month from Student INNER JOIN fee ON
Student.roll=fee.roll and fee.roll = %s"
  rl=(roll,)
  mycursor.execute(sql,rl)
  res=mycursor.fetchall()
  print()
  print("(ROll, Name, Age,    Fee,    Month)")
  for x in res:
    print(x)


def removeStu():
  roll=int(input("Enter the roll number of the student to be deleted : "))
  rl=(roll,)
  sql="Delete from fee where roll=%s"
  mycursor.execute(sql,rl)
  sql1="Delete from Student where roll=%s"
  mycursor.execute(sql1,rl)
  mydb.commit()
  print ("The Student detail of roll no",rl,"Successfully Deleted.")
```

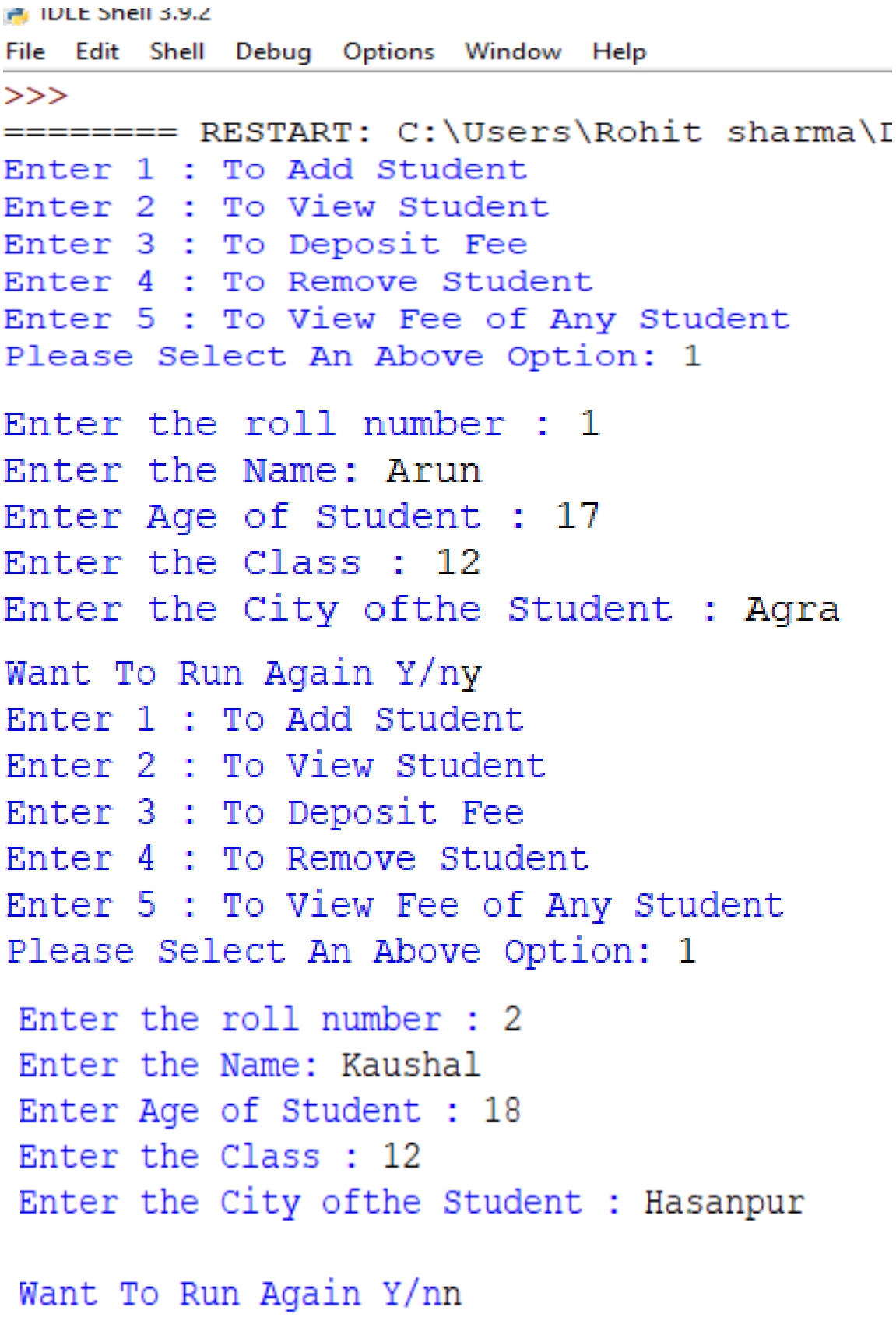
```
def MenuSet(): #Function For The Student Management System
  print("Enter 1 : To Add Student")
  print("Enter 2 : To View Student ")
  print("Enter 3 : To Deposit Fee ")
  print("Enter 4 : To Remove Student")
  print("Enter 5 : To View Fee of Any Student")

  try: #Using Exceptions For Validation
    userInput = int(input("Please Select An Above Option: ")) #Will Take
Input From User
  except ValueError:
    exit("\nHy! That's Not A Number") #Error Message
  else:
    print("\n") #Print New Line
    if(userInput == 1):
      stuInsert()
    elif (userInput==2):
      stuView()
    elif (userInput==3):
      feeDeposit()
    elif (userInput==4):
      removeStu()
    elif (userInput==5):
      feeView()
    else:
      print("Enter correct choice. . .  ")
o="y"
while (o=="y" or o=="Y"):
  MenuSet()
  o=input("\nWant To Run Again Y/n")
```

OUTPUT (SCREENSHOTS)

Welcome Screen:-



1. Adding student:-



Data Also Added Into SQL:-

```
mysql> select * from student;
+------+---------+-----+-------+----------+
| roll | name    | age | class | City     |
+------+---------+-----+-------+----------+
|    1 | Arun    |  17 | 12    | Agra     |
|    2 | Kaushal |  18 | 12    | Hasanpur |
+------+---------+-----+-------+----------+
2 rows in set (0.00 sec)
```

2. View Student's Details:-

```
Enter 1 : To Add Student
Enter 2 : To View Student
Enter 3 : To Deposit Fee
Enter 4 : To Remove Student
Enter 5 : To View Fee of Any Student
Please Select An Above Option: 2


Select the search criteria :
1. Roll
2. Name
3. Age
4. City
5. All
Enter the choice : 5
The Students details are as follows :
(ROll, Name, Age, Class, City)
(1, 'Arun ', 17, '12', 'Agra')
(2, 'Kaushal', 18, '12', 'Hasanpur')
```

3. Deposit Fee:-

```
Enter 1 : To Add Student
Enter 2 : To View Student
Enter 3 : To Deposit Fee
Enter 4 : To Remove Student
Enter 5 : To View Fee of Any Student
Please Select An Above Option: 3


Enter the roll number : 1
Enter the Fee to be deposited : 5000
Enter month of fee : 6
fee deposit successfully

Want To Run Again Y/ny
Enter 1 : To Add Student
Enter 2 : To View Student
Enter 3 : To Deposit Fee
Enter 4 : To Remove Student
Enter 5 : To View Fee of Any Student
Please Select An Above Option: 3


Enter the roll number : 2
Enter the Fee to be deposited : 4000
Enter month of fee : 4
fee deposit successfully

Want To Run Again Y/nn
>>>
```

Data Also Added Into SQL:-

```
mysql> select * from fee;
+------+------------+-------+
| roll | FeeDeposit | month |
+------+------------+-------+
|    1 |       5000 | 6     |
|    2 |       4000 | 4     |
+------+------------+-------+
2 rows in set (0.00 sec)
```

4. Remove Student:-

```
Enter 1 : To Add Student
Enter 2 : To View Student
Enter 3 : To Deposit Fee
Enter 4 : To Remove Student
Enter 5 : To View Fee of Any Student
Please Select An Above Option: 4


Enter the roll number of the student to be deleted : 2
The Student detail of roll no (2,) Successfully Deleted.

Want To Run Again Y/nn
>>>
```

Data Also Removed From Both Tables:-

```
mysql> select * from student;
+------+-------+-----+-------+------+
| roll | name  | age | class | City |
+------+-------+-----+-------+------+
|    1 | Arun  |  17 | 12    | Agra |
+------+-------+-----+-------+------+
1 row in set (0.00 sec)

mysql> select * from fee;
+------+------------+-------+
| roll | FeeDeposit | month |
+------+------------+-------+
|    1 |       5000 | 6     |
+------+------------+-------+
1 row in set (0.00 sec)
```

5. View Student's Fee Detais:-

```
Enter 1 : To Add Student
Enter 2 : To View Student
Enter 3 : To Deposit Fee
Enter 4 : To Remove Student
Enter 5 : To View Fee of Any Student
Please Select An Above Option: 5


Please enter the details to view the fee details :
Enter the roll number of the student whose fee is to be viewed : 1

(ROll, Name, Age,      Fee,      Month)
(1, 'Arun ', '12', Decimal('5000'), '6')

Want To Run Again Y/nn
```