OUTPUT

```
Python 3.11.5 (tags/v3.11.5:cce6ba9, Aug 24 2023, 14:38:34) [MSC v.1936
64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.

= RESTART: C:\Users\Default\Downloads\Project.py
Enter mysql password: tiger
Welcome to the School Database Fee System
1. Log in
2. Quit
Enter your choice (1/2): 1
Enter your username: admin
Enter your password: admnpasswd


Main Menu
~~~~~~~~~~~~~
1. Add a new Record
2. Modify Existing Record
3. Delete Existing Record
4. Search a Record
5. List all Records
6. Exit
Enter your choice: 1
Add a new Record
================
Enter admission number: 24360
Enter name: Abir Singh Gandhi
Enter fees due: 15000
Enter fees paid already: 0
Enter due date: 2023-11-11
Record Saved
Press any key to continue..


Main Menu
~~~~~~~~~~~~~
1. Add a new Record
2. Modify Existing Record
3. Delete Existing Record
4. Search a Record
5. List all Records
6. Exit
Enter your choice: 1
Add a new Record
================
Enter admission number: 24658
Enter name: Aadittayan Roy
Enter fees due: 14000
Enter fees paid already: 0
Enter due date: 2023-10-11
```

Record Saved
Press any key to continue..

Main Menu
~~~~~~~~~~~~~
1. Add a new Record
2. Modify Existing Record
3. Delete Existing Record
4. Search a Record
5. List all Records
6. Exit
Enter your choice: 2
Modify a Record
================
Enter admission number you want to modify: 24658
Admission no. = 24658
Name = Aadittayan Roy
Fees due = 14000
Do you want to modify this record (y/n): y
Enter new admission number: 24668
Enter new name: Aadittayan Roy
Enter new fees: 13000
Enter new due date: 2023-10-12
Record Modified
Press any key to continue..

Main Menu
~~~~~~~~~~~~~
1. Add a new Record
2. Modify Existing Record
3. Delete Existing Record
4. Search a Record
5. List all Records
6. Exit
Enter your choice: 4
Search a Record
===================
Enter admission number you want to search: 24360
Admission Number = 24360
Name = Abir Singh Gandhi
fees = 15000
Press any key to continue..

Main Menu
~~~~~~~~~~~~~
1. Add a new Record
2. Modify Existing Record
3. Delete Existing Record
4. Search a Record
5. List all Records
6. Exit

Enter your choice: 4
Search a Record
===================
Enter admission number you want to search: 24668
Admission Number = 24668
Name = Aadittayan Roy
fees = 13000
Press any key to continue..

Main Menu
~~~~~~~~~~~~~
1. Add a new Record
2. Modify Existing Record
3. Delete Existing Record
4. Search a Record
5. List all Records
6. Exit
Enter your choice: 5
List of All Records
===================
{24360}   {'Abir Singh Gandhi'}   {datetime.date(2023, 11, 11)}   {0} {15000}
{24668}.   {'Aadittayan Roy'}
                                     {datetime.date(2023, 10, 11)}   {0} {13000}
Press any key to continue..

Main Menu
~~~~~~~~~~~~~
1. Add a new Record
2. Modify Existing Record
3. Delete Existing Record
4. Search a Record
5. List all Records
6. Exit
Enter your choice: 3
Delete a Record
================
Enter admission number you want to delete: 24668
Rollno = 24668
Name = Aadittayan Roy
fees = 13000
Do you want to delete this record (y/n): y
Record Deleted
Press any key to continue..

Main Menu
~~~~~~~~~~~~~
1. Add a new Record
2. Modify Existing Record
3. Delete Existing Record
4. Search a Record
5. List all Records

6. Exit
Enter your choice: 1
Add a new Record
================
Enter admission number: 26969
Enter name: Adarsh Kumar
Enter fees due: 10000
Enter fees paid already: 0
Enter due date: 2023-09-09
Record Saved
Press any key to continue..

Main Menu
~~~~~~~~~~~~~
1. Add a new Record
2. Modify Existing Record
3. Delete Existing Record
4. Search a Record
5. List all Records
6. Exit
Enter your choice: 6
Software Terminated
1. Log in
2. Quit
Enter your choice (1/2): 1
Enter your username: Abir Singh Gandhi
Enter your password: 24360
Login successful!

Main Menu
~~~~~~~~~~~~~
1. Show Record
2. Pay due Fees
3. Exit
Enter your choice: 1
Admission Number = 24360
Name = Abir Singh Gandhi
Fees = 15000
Press any key to continue..

Main Menu
~~~~~~~~~~~~~
1. Show Record
2. Pay due Fees
3. Exit
Enter your choice: 2
No fine to pay.
Payment successful. All fees are cleared.

Main Menu

```
~~~~~~~~~~~~~
1. Show Record
2. Pay due Fees
3. Exit
Enter your choice: 3
Software Terminated
1. Log in
2. Quit
Enter your choice (1/2): 1
Enter your username: Adarsh Kumar
Enter your password: 26969
Login successful!


Main Menu
~~~~~~~~~~~~~
1. Show Record
2. Pay due Fees
3. Exit
Enter your choice: 1
Admission Number = 26969
Name = Adarsh Kumar
Fees = 10000
Press any key to continue..


Main Menu
~~~~~~~~~~~~~
1. Show Record
2. Pay due Fees
3. Exit
Enter your choice: 2
Your fine to pay is  5000
Payment successful. All fees are cleared.


Main Menu
~~~~~~~~~~~~~
1. Show Record
2. Pay due Fees
3. Exit
Enter your choice: 3
Software Terminated
1. Log in
2. Quit
Enter your choice (1/2): 2
Goodbye!
```

REPORTS

```
mysql> desc students;
+------------+-------------+------+-----+---------+-------+
| Field      | Type        | Null | Key | Default | Extra |
+------------+-------------+------+-----+---------+-------+
| admn       | int         | NO   | PRI | NULL    |       |
| name       | varchar(30) | YES  |     | NULL    |       |
| feespaid   | int         | YES  |     | NULL    |       |
| feesdue    | int         | YES  |     | NULL    |       |
| due        | date        | YES  |     | NULL    |       |
| fee_status | varchar(10) | YES  |     | NULL    |       |
+------------+-------------+------+-----+---------+-------+
6 rows in set (0.01 sec)
```

```
mysql> desc fees;
+-------+------+------+-----+---------+-------+
| Field | Type | Null | Key | Default | Extra |
+-------+------+------+-----+---------+-------+
| admn  | int  | NO   | PRI | NULL    |       |
| due   | date | YES  |     | NULL    |       |
| paid  | date | YES  |     | NULL    |       |
+-------+------+------+-----+---------+-------+
3 rows in set (0.00 sec)
```

```
mysql> select * from fees;
+-------+------------+------------+
| admn  | due        | paid       |
+-------+------------+------------+
| 21145 | 2023-12-17 | 2023-10-18 |
| 21456 | 2023-11-18 | 2023-10-18 |
| 23314 | 2023-11-30 | 2023-10-18 |
| 23456 | 2023-12-12 | 2023-11-02 |
| 24360 | 2023-11-11 | 2023-11-09 |
| 24456 | 2023-12-16 | 2023-11-02 |
| 24568 | 2023-11-14 | 2023-11-02 |
| 24668 | 2023-10-12 | 2023-11-14 |
| 26969 | 2023-09-09 | 2023-11-09 |
| 27893 | 2023-12-11 | 2023-11-14 |
| 27894 | 2023-12-14 | 2023-11-14 |
+-------+------------+------------+
11 rows in set (0.00 sec)
```

```
mysql> select * from students;
+-------+-------------------+----------+---------+------------+------------+
| admn  | name              | feespaid | feesdue | due        | fee_status |
+-------+-------------------+----------+---------+------------+------------+
| 21145 | Abhay Pratap      |        0 |   15000 | 2023-12-18 | NULL       |
| 21456 | Nasib Khan        |        0 |    1450 | 2023-11-18 | NULL       |
| 23314 | Ram Prasad        |        0 |   15600 | 2023-11-30 | NULL       |
| 23456 | Daksh Bhalla      |        0 |   15500 | 2023-12-12 | NULL       |
| 24360 | Abir Singh Gandhi |    15000 |       0 | NULL       | NULL       |
| 24456 | Hardik            |        0 |   14999 | 2023-12-16 | NULL       |
| 24568 | Aadittayan Roy    |        0 |   14000 | 2023-11-14 | NULL       |
| 26969 | Adarsh Kumar      |    10000 |       0 | NULL       | NULL       |
| 27893 | Suyash Sharma     |        0 |   16000 | 2023-12-11 | NULL       |
| 27894 | Aman Verma        |        0 |   16000 | 2023-12-14 | NULL       |
+-------+-------------------+----------+---------+------------+------------+
10 rows in set (0.00 sec)
```

```
mysql> select admn,name,feesdue,due from students where feesdue>15000;
+-------+---------------+---------+------------+
| admn  | name          | feesdue | due        |
+-------+---------------+---------+------------+
| 23314 | Ram Prasad    |   15600 | 2023-11-30 |
| 23456 | Daksh Bhalla  |   15500 | 2023-12-12 |
| 27893 | Suyash Sharma |   16000 | 2023-12-11 |
| 27894 | Aman Verma    |   16000 | 2023-12-14 |
+-------+---------------+---------+------------+
4 rows in set (0.00 sec)
```

```
mysql> select admn,datediff(paid,due) from fees;
+-------+--------------------+
| admn  | datediff(paid,due) |
+-------+--------------------+
| 21145 |                -60 |
| 21456 |                -31 |
| 23314 |                -43 |
| 23456 |                -40 |
| 24360 |                 -2 |
| 24456 |                -44 |
| 24568 |                -12 |
| 24668 |                 33 |
| 26969 |                 61 |
| 27893 |                -27 |
| 27894 |                -30 |
+-------+--------------------+
11 rows in set (0.00 sec)
```

```
mysql> SELECT * FROM students WHERE NAME LIKE "%A";
+-------+----------------+----------+---------+------+------------+
| admn  | name           | feespaid | feesdue | due  | fee_status |
+-------+----------------+----------+---------+------+------------+
| 23456 | Daksh Bhalla   |    15500 |       0 | NULL | NULL       |
| 27893 | Suyash Sharma  |    16000 |       0 | NULL | NULL       |
| 27894 | Aman Verma     |    16000 |       0 | NULL | NULL       |
+-------+----------------+----------+---------+------+------------+
3 rows in set (0.00 sec)
```

```
mysql> SELECT * FROM students WHERE NAME LIKE "A%";
+-------+--------------------+----------+---------+------+------------+
| admn  | name               | feespaid | feesdue | due  | fee_status |
+-------+--------------------+----------+---------+------+------------+
| 21145 | Abhay Pratap       |    15000 |       0 | NULL | NULL       |
| 24360 | Abir Singh Gandhi  |    15000 |       0 | NULL | NULL       |
| 24568 | Aadittayan Roy     |    14000 |       0 | NULL | NULL       |
| 26969 | Adarsh Kumar       |    10000 |       0 | NULL | NULL       |
| 27894 | Aman Verma         |    16000 |       0 | NULL | NULL       |
+-------+--------------------+----------+---------+------+------------+
5 rows in set (0.00 sec)
```

```
mysql> SELECT * FROM students WHERE NAME LIKE "%e%";
+-------+------------+----------+---------+------+------------+
| admn  | name       | feespaid | feesdue | due  | fee_status |
+-------+------------+----------+---------+------+------------+
| 27894 | Aman Verma |    16000 |       0 | NULL | NULL       |
+-------+------------+----------+---------+------+------------+
1 row in set (0.00 sec)
```

```
mysql> select * from fees where datediff(paid,due)>15;
+-------+------------+------------+
| admn  | due        | paid       |
+-------+------------+------------+
| 24668 | 2023-10-12 | 2023-11-14 |
| 26969 | 2023-09-09 | 2023-11-09 |
+-------+------------+------------+
```

BIBLIOGRAPHY

- Computer Science with Python for class 12th (Preeti Arora, Sultan Chand)
- Computer Science for class 12th (NCERT)
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