

A c k n o w l e d g e m e n t

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COMPUTER INSTITUTE MANAGEMENT SYSTEM

INTRODUCTION

Computer Institute Management System is a software system where the management of the Institute is computerized. The system has different modules for various activities. The various modules of the system are academic details, admission details, daily attendance, staff attendance and admin access, fee details.

The purpose of Computer Institute Management System is to automate the existing manual system by the help of computerized equipment and full-fledged computer software fulfilling their requirements, so that their valuable data can be stored for longer period with easy accessing and manipulation of the same. The required software and hardware are easily available and easy to work with.

Computer Institute Management System, as described above can lead to error free, secure, reliable, and fast management system. It can assist the user to concentrate on their other activities rather to concentrate on record keeping. Thus, it will help organising in better utilization of resources.

The aim is to automate its existing manual system by the help of computerized equipment and full-fledged computer software, fulfilling their requirements, so that their valuable data can be stored for a longer period with easy accessing and manipulation of the same. Basically the project describes how to manage for good performance better services for the clients.

Operational status: Is Under Development.

Undergoing major modification: Data will be stored in database development.

In this project **MYSQL** is being used as the backend tool for developing and **PYTHON** is being used as frontend tool and for viewing results.

PROPOSED SYSTEM

- ❖ The proposed Computer institute management system project is very fast and reliable.
- ❖ Institute admin can keep close contact with every department of the institute. He has full command over all the modules of software.
- ❖ Student daily attendance is maintained on computer. It helps to analyses student progress.
- ❖ This project also has an online examination module. Student exams can be taken on computer with this module.
- ❖ Question paper can be set for examination. This system provides facility of storing new question in the database.

DRAWBACKS OF EXISTING SYSTEM

- ❖ Manual entry consumes more time and is difficult to maintain bulk record in manual.
- ❖ Not easy to prepare the daily reports.
- ❖ Lack of accuracy and error prone.
- ❖ Overall efficiency is less.

BENEFITS OF PROPOSED SYSTEM

- ❖ Secure data
- ❖ Faster process
- ❖ Error free
- ❖ Better management

System Requirements

A. Minimum Software Requirement

- a. Window 7 with Service Pack 1 or Higher Operating System
- b. Python 3.6 or any higher version
- c. MySQL / SQLite
- d. Visual Studio Run Time Environment
- e. Dot-Net Framework 3.5 or higher.

B. Minimum Hardware Requirement

- a) A multimedia Computer with Keyboard and Mouse
- b) Processor: Pentium 4 or higher
- c) Hard Disk – At least 500 MB free space
- d) Memory – 2 GB

C. Front End Designing Tool – Python Environment

D. Back End Tool – MySQL

SCREENSHOTS

RUNTIME

Student Table

```
40 rows in set (0.00 sec)
```

Marks Table

```
40 rows in set (0.00 sec)
```

Fees Table

```
40 rows in set (0.00 sec)
```

Staff Table

```
10 rows in set (0.00 sec)
```

Teacher Table

```
5 rows in set (0.00 sec)
```

Office Table

```
5 rows in set (0.00 sec)
```

TABLE-Structure

STUDENT

```
mysql> use cims;
Database changed
mysql> desc studentmaster;
+-----+-----+-----+-----+-----+-----+
| Field          | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| AdmissionNumber | int(11)        | NO   | PRI | NULL    |       |
| StudentsName    | varchar(200)   | NO   |     | NULL    |       |
| FathersName     | varchar(200)   | NO   |     | NULL    |       |
| MothersName      | varchar(200)   | NO   |     | NULL    |       |
| Class           | int(5)         | NO   |     | NULL    |       |
| Section         | varchar(20)    | NO   |     | NULL    |       |
| MobileNumber    | int(10)        | NO   |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
7 rows in set (0.01 sec)
```

MARKS

```
mysql> desc marksmaster;
+-----+-----+-----+-----+-----+-----+
| Field          | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| AdmissionNumber | int(11)        | NO   | MUL | NULL    |       |
| RollNumber      | int(4)         | NO   | PRI | NULL    |       |
| StudentsName    | varchar(200)   | NO   |     | NULL    |       |
| Computer        | int(10)        | NO   |     | NULL    |       |
| Physics         | int(10)        | NO   |     | NULL    |       |
| Chemistry       | int(10)        | NO   |     | NULL    |       |
| Maths           | int(10)        | NO   |     | NULL    |       |
| English         | int(10)        | NO   |     | NULL    |       |
| AverageMarks    | int(11)        | YES  |     | NULL    |       |
| Percentage      | int(11)        | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
10 rows in set (0.01 sec)
```

FEES

```
mysql> desc feesmaster;
```

Field	Type	Null	Key	Default	Extra
AdmissionNumber	int(11)	NO	MUL	NULL	
RollNumber	int(4)	NO	PRI	NULL	
StudentsName	varchar(200)	NO		NULL	
AmountPayable	int(10)	NO		NULL	
AmountPaid	int(10)	NO		NULL	
1stQuater	varchar(10)	NO		NULL	
2ndQuater	varchar(10)	NO		NULL	
3rdQuater	varchar(10)	NO		NULL	
4thQuater	varchar(10)	NO		NULL	
FeeStatus	varchar(10)	NO		NULL	

10 rows in set (0.02 sec)

STAFF

```
mysql> desc staffmaster;
```

Field	Type	Null	Key	Default	Extra
IDNumber	int(11)	NO	PRI	NULL	
StaffName	varchar(200)	NO		NULL	
UIDnumber	int(10)	NO		NULL	
Qualification	varchar(200)	YES		NULL	
MobileNumber	int(10)	YES		NULL	

5 rows in set (0.00 sec)

TEACHER


```
mysql> desc teachermaster;
```

Field	Type	Null	Key	Default	Extra
IDNumber	int(11)	NO	MUL	NULL	
TeacherIDNumber	int(10)	NO	PRI	NULL	
TeacherName	varchar(200)	NO		NULL	
UIDnumber	int(10)	NO		NULL	
SubjectsTaught	varchar(10)	NO		NULL	
ClassesTaught	varchar(10)	NO		NULL	
MobileNumber	int(10)	NO		NULL	

```
7 rows in set (0.03 sec)
```

OFFICE

```
mysql> desc officemaster;
```

Field	Type	Null	Key	Default	Extra
IDNumber	int(11)	NO	MUL	NULL	
OfficeIDNumber	int(10)	NO	PRI	NULL	
OfficeStaffName	varchar(200)	NO		NULL	
UIDnumber	int(10)	NO		NULL	
MobileNumber	int(10)	NO		NULL	

```
5 rows in set (0.02 sec)
```

DATABASE

Database
information_schema
cims

```
2 rows in set (0.00 sec)
```

TABLES

```
+-----+  
| Tables_in_cims |  
+-----+  
| feesmaster      |  
| marksmaster     |  
| officemaster    |  
| staffmaster     |  
| studentmaster   |  
| teachermaster   |  
+-----+  
6 rows in set (0.15 sec)
```

Enter PasswordJsk4ever
Enter '1' for Principal
Enter '2' for Teacher
Enter '3' for Office Staff
Enter '4' for Student
Who is Accessing the Database:1
You have viewing access to all data in the database
Enter '1' for student database.
Enter '2' for student marks database.
Enter '3' for student fees database.
Enter '4' for staff database.
Enter '5' for teacher database.
Enter '6' for office database.
Which database do you want to access:6
Total number of rows in officemaster is: 5
Printing each record:
ID no.= 3
Office staff Name= 1
UID No. = Dashrath Singh
Mobile No.= 456667
ID no.= 4
Office staff Name= 2
UID No. = Ishita Ghosh
Mobile No.= 4568456
ID no.= 5
Office staff Name= 3
UID No. = Farroq Hassan
Mobile No.= 4568789

ID no.= 6
Office staff Name= 4
UID No. = Pankaj Singh
Mobile No.= 4568890
ID no.= 7
Office staff Name= 5
UID No. = Abhay Das
Mobile No.= 4568345

Enter PasswordJsk4ever
Enter '1' for Principal
Enter '2' for Teacher
Enter '3' for Office Staff
Enter '4' for Student
Who is Accessing the Database:2
You have viewing access to student and marks data in the database
Enter '1' for student database.
Enter '2' for student marks database.
Which database do you want to access:1
Total number of rows in studentmaster is: 40
Printing each record:
Admission no.= 1
Student Name= Aman Kumar Singh
Fathers Name = Om Prakash Singh
Mothers Name= Sheela Singh
Class= 12
Section= A
Mobile No.= 62011039
Admission no.= 2
Student Name= Avinash Sharma
Fathers Name = Pradeep Sharma
Mothers Name= Rinku Sharma
Class= 12
Section= A
Mobile No.= 75689023
Admission no.= 3
Student Name= Abhishek Kumar Mahato
Fathers Name = Aman Mahato
Mothers Name= Akansha Mahato
Class= 12
Section= A

Mobile No.= 45764399
Admission no.= 4
Student Name= Aniket Mohanty
Fathers Name = Chinmay Mohanty
Mothers Name= Jayanti Mohanty
Class= 12
Section= A
Mobile No.= 4557889
Admission no.= 5
Student Name= MD. Shakeb Sheikh
Fathers Name = MD. Farooq Sheikh
Mothers Name= Zubia Sheikh
Class= 12
Section= B
Mobile No.= 45797489
Admission no.= 6
Student Name= Aakarsh Pattanaik
Fathers Name = Aniket Pattanaik
Mothers Name= Anjali Pattanaik
Class= 12
Section= C
Mobile No.= 45457789
Admission no.= 7
Student Name= Abhilash Kumar Singh
Fathers Name = Ashutosh Singh
Mothers Name= Shristi Singh
Class= 12
Section= A
Mobile No.= 4347689
Admission no.= 8
Student Name= Agnijeet Choudhary
Fathers Name = Aditya Choudhary

Mothers Name= Ananya Choudhary
Class= 12
Section= C
Mobile No.= 45763896
Admission no.= 9
Student Name= Ankush Jha
Fathers Name = Ashutosh Jha
Mothers Name= Shristi Jha
Class= 12
Section= B
Mobile No.= 45389508
Admission no.= 10
Student Name= Abhinav Kumar
Fathers Name = Rakesh Kumar
Mothers Name= Rashmi Kumari
Class= 12
Section= A
Mobile No.= 45234567
Admission no.= 11
Student Name= Arun Pratap Singh
Fathers Name = Aayush Singh
Mothers Name= Aayushi Singh
Class= 12
Section= C
Mobile No.= 45766756
Admission no.= 12
Student Name= Ayushman Ghosh
Fathers Name = Abhinav Ghosh
Mothers Name= Harshita Ghosh
Class= 12
Section= B
Mobile No.= 45764568

Admission no.= 13
Student Name= Arpita Singh
Fathers Name = Aman Singh
Mothers Name= Samriddhi Singh
Class= 12
Section= B
Mobile No.= 45789201
Admission no.= 14
Student Name= Harsh Gupta
Fathers Name = Jayant Gupta
Mothers Name= Shweta Gupta
Class= 12
Section= A
Mobile No.= 93348590
Admission no.= 15
Student Name= Shweta Kumari
Fathers Name = Sunil Kumar
Mothers Name= Nisha Kumari
Class= 12
Section= C
Mobile No.= 45766734
Admission no.= 16
Student Name= Shreyan Singh
Fathers Name = Pratham Singh
Mothers Name= Prity Singh
Class= 12
Section= B
Mobile No.= 45766345
Admission no.= 17
Student Name= Rishish Chourasiya
Fathers Name = Ravi Chourasiya
Mothers Name= Pragya Chourasiya

Class= 12
Section= A
Mobile No.= 45768956
Admission no.= 18
Student Name= Pragya Pandey
Fathers Name = Ajay Prakash Pandey
Mothers Name= Seema Pandey
Class= 12
Section= B
Mobile No.= 4456846
Admission no.= 19
Student Name= Rohit Kumar
Fathers Name = Suraj Kumar
Mothers Name= Shreya Kumari
Class= 12
Section= B
Mobile No.= 45748654
Admission no.= 20
Student Name= Vishnu Singh
Fathers Name = Mohit Singh
Mothers Name= Bhoomi Singh
Class= 12
Section= A
Mobile No.= 78541236
Admission no.= 21
Student Name= Shashank Das
Fathers Name = Sourodeep Das
Mothers Name= Debosmita Das
Class= 12
Section= A
Mobile No.= 62049004
Admission no.= 22

Student Name= Tarun Mahato
Fathers Name = Saurabh Mahato
Mothers Name= Anisha Mahato
Class= 12
Section= B
Mobile No.= 4575068
Admission no.= 23
Student Name= Pranav Kumar
Fathers Name = Pranav Rishi
Mothers Name= Suhani Kumari
Class= 12
Section= B
Mobile No.= 457664567
Admission no.= 24
Student Name= Sanika Mulik
Fathers Name = Jayanta Mulik
Mothers Name= Vaishnavi Mulik
Class= 12
Section= B
Mobile No.= 4574367
Admission no.= 25
Student Name= Nikhil Dev
Fathers Name = Ayush Dev
Mothers Name= Nisha Devi
Class= 12
Section= C
Mobile No.= 45746475
Admission no.= 26
Student Name= Mohit Roy
Fathers Name = Chandrashekhar Roy
Mothers Name= Pushpa Roy
Class= 12

Section= B
Mobile No.= 45723547
Admission no.= 27
Student Name= Sibtain Khan
Fathers Name = Shaban Khan
Mothers Name= Naina Khan
Class= 12
Section= A
Mobile No.= 5607833
Admission no.= 28
Student Name= Prabhat Singh
Fathers Name = Manoj Singh
Mothers Name= Arpita Singh
Class= 12
Section= B
Mobile No.= 34954306
Admission no.= 29
Student Name= Satyam Kumar
Fathers Name = Shivam Kumar
Mothers Name= Sony Kumari
Class= 12
Section= B
Mobile No.= 5820690
Admission no.= 30
Student Name= Suhani Dey
Fathers Name = Ajanta Dey
Mothers Name= Smriti Dey
Class= 12
Section= B
Mobile No.= 5676859
Admission no.= 31
Student Name= Sandeep Mahato

<p>Fathers Name = Lal Mohan Mahato Mothers Name= Anjali Mahato Class= 12 Section= C Mobile No.= 47894561 Admission no.= 32 Student Name= Bhumika Tripathi Fathers Name = Munna Thripathi Mothers Name= Beena Tripathi Class= 12 Section= A Mobile No.= 54766789 Admission no.= 33 Student Name= Ayush Dubey Fathers Name = Pratyush Dubey Mothers Name= Dipti Dubey Class= 12 Section= B Mobile No.= 98746789 Admission no.= 34 Student Name= Kshitij Banerjee Fathers Name = Sushanto Banerjee Mothers Name= Mohika Banerjee Class= 12 Section= A Mobile No.= 32566789 Admission no.= 35 Student Name= Sameer Anand Fathers Name = Aditya Anand Mothers Name= Sandeepa Anand Class= 12 Section= A</p>	<p>Mobile No.= 65896789 Admission no.= 36 Student Name= Aditya Kumar Fathers Name = Ram Kumar Mothers Name= Sita Kumari Class= 12 Section= B Mobile No.= 65846789 Admission no.= 37 Student Name= Tejpratap Singh Fathers Name = Raj Kumar Singh Mothers Name= Sunidhi Singh Class= 12 Section= B Mobile No.= 12356789 Admission no.= 38 Student Name= Aniket Ranjan Fathers Name = Abhinav Ranjan Mothers Name= Anjali Ranjan Class= 12 Section= C Mobile No.= 47895789 Admission no.= 39 Student Name= Sanjit Mohapatra Fathers Name = Ravi Mohapatra Mothers Name= Sanjana Mohapatra Class= 12 Section= C Mobile No.= 91566789 Admission no.= 40 Student Name= Ravi Kumar Singh Fathers Name = Abhishek Singh</p>
	<p>Mothers Name= Pooja Singh Class= 12 Section= B Mobile No.= 45766789</p>

FRONT END-Office Access

Enter Password: Jsk4ever

Enter '1' for Principal

Enter '2' for Teacher

Enter '3' for Office Staff

Enter '4' for Student

Who is Accessing the Database: 3

You have viewing access to student and fees data in the database

Enter '1' for student database.

Enter '2' for student fees database.

Which database do you want to access: 2

Total number of rows in feesmaster is: 40

Printing each record:

Admission no.= 6

Roll no.= 1

Student Name= Aakarsh Pattanaik

Amount Payable = 8260

Amount Paid= 8260

1st Quater= Yes

2nd Quater= Yes

3rd Quater= Yes

4th Quater= Yes

Fee status= Cleared

Admission no.= 7

Roll no.= 2

Student Name= Abhilash Kumar Singh

Amount Payable = 8260

Amount Paid= 8260

1st Quater= Yes

2nd Quater= Yes

3rd Quater= Yes

4th Quater= No

Fee status= No

Admission no.= 10	Student Name= Agnijeet Choudhary
Roll no.= 3	Amount Payable = 8260
Student Name= Abhinav Kumar	Amount Paid= 8260
Amount Payable = 8260	1st Quater= Yes
Amount Paid= 8260	2nd Quater= Yes
1st Quater= Yes	3rd Quater= Yes
2nd Quater= Yes	4th Quater= Yes
3rd Quater= No	Fee status= Cleared
4th Quater= No	Admission no.= 1
Fee status= No	Roll no.= 7
Admission no.= 3	Student Name= Aman Kumar Singh
Roll no.= 4	Amount Payable = 8260
Student Name= Abhishek Kumar Mahato	Amount Paid= 8260
Amount Payable = 8260	1st Quater= Yes
Amount Paid= 8260	2nd Quater= Yes
1st Quater= Yes	3rd Quater= Yes
2nd Quater= Yes	4th Quater= Yes
3rd Quater= Yes	Fee status= Cleared
4th Quater= Yes	Admission no.= 4
Fee status= Cleared	Roll no.= 8
Admission no.= 36	Student Name= Aniket Mohanty
Roll no.= 5	Amount Payable = 8260
Student Name= Aditya Kumar	Amount Paid= 8260
Amount Payable = 8260	1st Quater= Yes
Amount Paid= 8260	2nd Quater= Yes
1st Quater= Yes	3rd Quater= Yes
2nd Quater= Yes	4th Quater= Yes
3rd Quater= Yes	Fee status= Cleared
4th Quater= Yes	Admission no.= 38
Fee status= Cleared	Roll no.= 9
Admission no.= 8	Student Name= Aniket Ranjan
Roll no.= 6	Amount Payable = 8260

Amount Paid= 8260	2nd Quater= Yes
1st Quater= Yes	3rd Quater= Yes
2nd Quater= Yes	4th Quater= Yes
3rd Quater= Yes	Fee status= Cleared
4th Quater= Yes	Admission no.= 2
Fee status= Cleared	Roll no.= 13
Admission no.= 9	Student Name= Avinash Sharma
Roll no.= 10	Amount Payable = 8260
Student Name= Ankush Jha	Amount Paid= 8260
Amount Payable = 8260	1st Quater= Yes
Amount Paid= 8260	2nd Quater= Yes
1st Quater= Yes	3rd Quater= Yes
2nd Quater= Yes	4th Quater= Yes
3rd Quater= Yes	Fee status= Cleared
4th Quater= Yes	Admission no.= 33
Fee status= Cleared	Roll no.= 14
Admission no.= 13	Student Name= Ayush Dubey
Roll no.= 11	Amount Payable = 8260
Student Name= Arpita Singh	Amount Paid= 8260
Amount Payable = 8260	1st Quater= Yes
Amount Paid= 8260	2nd Quater= Yes
1st Quater= Yes	3rd Quater= Yes
2nd Quater= Yes	4th Quater= No
3rd Quater= Yes	Fee status= No
4th Quater= Yes	Admission no.= 12
Fee status= Cleared	Roll no.= 15
Admission no.= 11	Student Name= Ayushman Ghosh
Roll no.= 12	Amount Payable = 8260
Student Name= Arun Pratap Singh	Amount Paid= 8260
Amount Payable = 8260	1st Quater= Yes
Amount Paid= 8260	2nd Quater= Yes
1st Quater= Yes	

3rd Quater= Yes	4th Quater= Yes
4th Quater= Yes	Fee status= Cleared
Fee status= Cleared	Admission no.= 5
Admission no.= 32	Roll no.= 19
Roll no.= 16	Student Name= MD. Shakeb Sheikh
Student Name= Bhumika Tripathi	Amount Payable = 8260
Amount Payable = 8260	Amount Paid= 8260
Amount Paid= 8260	1st Quater= Yes
1st Quater= Yes	2nd Quater= Yes
2nd Quater= Yes	3rd Quater= Yes
3rd Quater= Yes	4th Quater= Yes
4th Quater= Yes	Fee status= Cleared
Fee status= Cleared	Admission no.= 26
Admission no.= 14	Roll no.= 20
Roll no.= 17	Student Name= Mohit Roy
Student Name= Harsh Gupta	Amount Payable = 8260
Amount Payable = 8260	Amount Paid= 8260
Amount Paid= 8260	1st Quater= Yes
1st Quater= Yes	2nd Quater= Yes
2nd Quater= Yes	3rd Quater= Yes
3rd Quater= Yes	4th Quater= No
4th Quater= Yes	Fee status= No
Fee status= Cleared	Admission no.= 25
Admission no.= 34	Roll no.= 21
Roll no.= 18	Student Name= Nikhil Dev
Student Name= Kshitij Banerjee	Amount Payable = 8260
Amount Payable = 8260	Amount Paid= 8260
Amount Paid= 8260	1st Quater= Yes
1st Quater= Yes	2nd Quater= Yes
2nd Quater= Yes	3rd Quater= Yes
3rd Quater= Yes	4th Quater= Yes

Fee status= Cleared	Admission no.= 40
Admission no.= 28	Roll no.= 25
Roll no.= 22	Student Name= Ravi Kumar Singh
Student Name= Prabhat Singh	Amount Payable = 8260
Amount Payable = 8260	Amount Paid= 8260
Amount Paid= 8260	1st Quater= Yes
1st Quater= Yes	2nd Quater= Yes
2nd Quater= Yes	3rd Quater= Yes
3rd Quater= Yes	4th Quater= Yes
4th Quater= Yes	Fee status= Cleared
Fee status= Cleared	Admission no.= 17
Admission no.= 18	Roll no.= 26
Roll no.= 23	Student Name= Rishish Chourasiya
Student Name= Pragya Pandey	Amount Payable = 8260
Amount Payable = 8260	Amount Paid= 8260
Amount Paid= 8260	1st Quater= Yes
1st Quater= Yes	2nd Quater= No
2nd Quater= Yes	3rd Quater= Yes
3rd Quater= Yes	4th Quater= Yes
4th Quater= Yes	Fee status= No
Fee status= Cleared	Admission no.= 19
Admission no.= 23	Roll no.= 27
Roll no.= 24	Student Name= Rohit Kumar
Student Name= Pranav Kumar	Amount Payable = 8260
Amount Payable = 8260	Amount Paid= 8260
Amount Paid= 8260	1st Quater= Yes
1st Quater= Yes	2nd Quater= Yes
2nd Quater= Yes	3rd Quater= Yes
3rd Quater= Yes	4th Quater= Yes
4th Quater= Yes	Fee status= Cleared
Fee status= Cleared	Admission no.= 35

Roll no.= 28
Student Name= Sameer Anand
Amount Payable = 8260
Amount Paid= 8260
1st Quater= Yes
2nd Quater= Yes
3rd Quater= Yes
4th Quater= Yes
Fee status= Cleared
Admission no.= 31
Roll no.= 29
Student Name= Sandeep Mahato
Amount Payable = 8260
Amount Paid= 8260
1st Quater= Yes
2nd Quater= Yes
3rd Quater= Yes
4th Quater= Yes
Fee status= Cleared
Admission no.= 24
Roll no.= 30
Student Name= Sanika Mulik
Amount Payable = 8260
Amount Paid= 8260
1st Quater= Yes
2nd Quater= Yes
3rd Quater= Yes
4th Quater= Yes
Fee status= Cleared
Admission no.= 39
Roll no.= 31

Student Name= Sanjit Mohaptra
Amount Payable = 8260
Amount Paid= 8260
1st Quater= Yes
2nd Quater= Yes
3rd Quater= No
4th Quater= Yes
Fee status= No
Admission no.= 29
Roll no.= 32
Student Name= Satyam Kumar
Amount Payable = 8260
Amount Paid= 8260
1st Quater= Yes
2nd Quater= Yes
3rd Quater= Yes
4th Quater= Yes
Fee status= Cleared
Admission no.= 21
Roll no.= 33
Student Name= Shashank Das
Amount Payable = 8260
Amount Paid= 8260
1st Quater= Yes
2nd Quater= Yes
3rd Quater= Yes
4th Quater= Yes
Fee status= Cleared
Admission no.= 16
Roll no.= 34
Student Name= Shreyan Singh

Amount Payable = 8260	Amount Paid= 8260
Amount Paid= 8260	1st Quater= Yes
1st Quater= Yes	2nd Quater= Yes
2nd Quater= Yes	3rd Quater= Yes
3rd Quater= Yes	4th Quater= Yes
4th Quater= Yes	Fee status= Cleared
Fee status= Cleared	Admission no.= 22
Admission no.= 15	Roll no.= 38
Roll no.= 35	Student Name= Tarun Mahato
Student Name= Shweta Kumari	Amount Payable = 8260
Amount Payable = 8260	Amount Paid= 8260
Amount Paid= 8260	1st Quater= Yes
1st Quater= Yes	2nd Quater= Yes
2nd Quater= Yes	3rd Quater= Yes
3rd Quater= Yes	4th Quater= No
4th Quater= Yes	Fee status= No
Fee status= Cleared	Admission no.= 37
Admission no.= 27	Roll no.= 39
Roll no.= 36	Student Name= Tejpratap Singh
Student Name= Sibtain Khan	Amount Payable = 8260
Amount Payable = 8260	Amount Paid= 8260
Amount Paid= 8260	1st Quater= Yes
1st Quater= Yes	2nd Quater= Yes
2nd Quater= Yes	3rd Quater= Yes
3rd Quater= Yes	4th Quater= No
4th Quater= No	Fee status= Cleared
Fee status= No	Admission no.= 20
Admission no.= 30	Roll no.= 40
Roll no.= 37	Student Name= Vishnu Singh
Student Name= Suhani Dey	Amount Payable = 8260
Amount Payable = 8260	Amount Paid= 8260
	1st Quater= Yes
	2nd Quater= Yes
	3rd Quater= Yes
	4th Quater= Yes
	Fee status= Cleared

FRONT END-Student Access

Enter PasswordJsk4ever

Enter '1' for Principal

Enter '2' for Teacher

Enter '3' for Office Staff

Enter '4' for Student

Who is Accessing the Database:4

You have viewing access to student, fees and marks data in the database

Enter '1' for student database.

Enter '2' for student marks database.

Enter '3' for student fees database.

Who is Accessing the Database:2

Total number of rows in marksmaster is: 40

Printing each record:

Admission no.= 6

Roll no.= 1

Student Name= Aakarsh Pattanaik

Computer = 66

Physics= 78

Chemistry= 69

Maths= 88

English= 70

Average Marks= 74

Percentage= 74

Admission no.= 7

Roll no.= 2

Student Name= Abhilash Kumar Singh

Computer = 72

Physics= 56

Chemistry= 78

Maths= 69

English= 70

Average Marks= 69

Percentage= 69	Roll no.= 6
Admission no.= 10	Student Name= Agnijeet Choudhary
Roll no.= 3	Computer = 69
Student Name= Abhinav Kumar	Physics= 70
Computer = 45	Chemistry= 74
Physics= 66	Maths= 45
Chemistry= 78	English= 89
Maths= 90	Average Marks= 69
English= 45	Percentage= 69
Average Marks= 65	Admission no.= 1
Percentage= 65	Roll no.= 7
Admission no.= 3	Student Name= Aman Kumar Singh
Roll no.= 4	Computer = 78
Student Name= Abhishek Kumar Mahato	Physics= 89
Computer = 89	Chemistry= 85
Physics= 64	Maths= 84
Chemistry= 55	English= 65
Maths= 56	Average Marks= 80
English= 78	Percentage= 80
Average Marks= 68	Admission no.= 4
Percentage= 68	Roll no.= 8
Admission no.= 36	Student Name= Aniket Mohanty
Roll no.= 5	Computer = 89
Student Name= Aditya Kumar	Physics= 56
Computer = 50	Chemistry= 75
Physics= 63	Maths= 95
Chemistry= 48	English= 41
Maths= 56	Average Marks= 71
English= 78	Percentage= 71
Average Marks= 59	Admission no.= 38
Percentage= 59	Roll no.= 9
Admission no.= 8	Student Name= Aniket Ranjan

Computer = 85	Chemistry= 74
Physics= 95	Maths= 58
Chemistry= 65	English= 65
Maths= 31	Average Marks= 74
English= 45	Percentage= 74
Average Marks= 64	Admission no.= 2
Percentage= 64	Roll no.= 13
Admission no.= 9	Student Name= Avinash Sharma
Roll no.= 10	Computer = 55
Student Name= Ankush Jha	Physics= 66
Computer = 45	Chemistry= 44
Physics= 45	Maths= 88
Chemistry= 49	English= 51
Maths= 65	Average Marks= 63
English= 53	Percentage= 63
Average Marks= 51	Admission no.= 33
Percentage= 51	Roll no.= 14
Admission no.= 13	Student Name= Ayush Dubey
Roll no.= 11	Computer = 56
Student Name= Arpita Singh	Physics= 56
Computer = 86	Chemistry= 89
Physics= 48	Maths= 54
Chemistry= 84	English= 55
Maths= 75	Average Marks= 62
English= 89	Percentage= 62
Average Marks= 76	Admission no.= 12
Percentage= 76	Roll no.= 15
Admission no.= 11	Student Name= Ayushman Ghosh
Roll no.= 12	Computer = 95
Student Name= Arun Pratap Singh	Physics= 55
Computer = 87	Chemistry= 86
Physics= 88	Maths= 48

English= 78	Percentage= 80
Average Marks= 72	Admission no.= 5
Percentage= 72	Roll no.= 19
Admission no.= 32	Student Name= MD. Shakeb Sheikh
Roll no.= 16	Computer = 77
Student Name= Bhumika Tripathi	Physics= 88
Computer = 78	Chemistry= 45
Physics= 98	Maths= 56
Chemistry= 55	English= 52
Maths= 42	Average Marks= 64
English= 31	Percentage= 64
Average Marks= 61	Admission no.= 26
Percentage= 61	Roll no.= 20
Admission no.= 14	Student Name= Mohit Roy
Roll no.= 17	Computer = 87
Student Name= Harsh Gupta	Physics= 54
Computer = 68	Chemistry= 65
Physics= 67	Maths= 32
Chemistry= 66	English= 84
Maths= 65	Average Marks= 66
English= 64	Percentage= 67
Average Marks= 60	Admission no.= 25
Percentage= 60	Roll no.= 21
Admission no.= 34	Student Name= Nikhil Dev
Roll no.= 18	Computer = 74
Student Name= Kshitij Banerjee	Physics= 75
Computer = 78	Chemistry= 76
Physics= 89	Maths= 79
Chemistry= 85	English= 87
Maths= 84	Average Marks= 78
English= 65	Percentage= 78
Average Marks= 80	Admission no.= 28

Roll no.= 22	Computer = 85
Student Name= Prabhat Singh	Physics= 86
Computer = 85	Chemistry= 59
Physics= 86	Maths= 56
Chemistry= 59	English= 63
Maths= 56	Average Marks= 70
English= 63	Percentage= 70
Average Marks= 70	Admission no.= 17
Percentage= 70	Roll no.= 26
Admission no.= 18	Student Name= Rishish Chourasiya
Roll no.= 23	Computer = 78
Student Name= Pragya Pandey	Physics= 89
Computer = 77	Chemistry= 85
Physics= 88	Maths= 84
Chemistry= 45	English= 65
Maths= 56	Average Marks= 80
English= 52	Percentage= 80
Average Marks= 64	Admission no.= 19
Percentage= 64	Roll no.= 27
Admission no.= 23	Student Name= Rohit Kumar
Roll no.= 24	Computer = 68
Student Name= Pranav Kumar	Physics= 67
Computer = 78	Chemistry= 66
Physics= 89	Maths= 65
Chemistry= 85	English= 64
Maths= 84	Average Marks= 66
English= 65	Percentage= 66
Average Marks= 80	Admission no.= 35
Percentage= 80	Roll no.= 28
Admission no.= 40	Student Name= Sameer Anand
Roll no.= 25	Computer = 78
Student Name= Ravi Kumar Singh	Physics= 89

Chemistry= 85	English= 64
Maths= 84	Average Marks= 81
English= 65	Percentage= 81
Average Marks= 80	Admission no.= 29
Percentage= 80	Roll no.= 32
Admission no.= 31	Student Name= Satyam Kumar
Roll no.= 29	Computer = 78
Student Name= Sandeep Mahato	Physics= 89
Computer = 78	Chemistry= 85
Physics= 89	Maths= 84
Chemistry= 85	English= 69
Maths= 84	Average Marks= 81
English= 65	Percentage= 81
Average Marks= 64	Admission no.= 21
Percentage= 64	Roll no.= 33
Admission no.= 24	Student Name= Shashank Das
Roll no.= 30	Computer = 89
Student Name= Sanika Mulik	Physics= 56
Computer = 87	Chemistry= 75
Physics= 54	Maths= 95
Chemistry= 65	English= 41
Maths= 32	Average Marks= 71
English= 84	Percentage= 71
Average Marks= 80	Admission no.= 16
Percentage= 80	Roll no.= 34
Admission no.= 39	Student Name= Shreyan Singh
Roll no.= 31	Computer = 87
Student Name= Sanjit Mohaptra	Physics= 54
Computer = 78	Chemistry= 65
Physics= 89	Maths= 32
Chemistry= 85	English= 84
Maths= 84	Average Marks= 64

Percentage= 64
Admission no.= 15
Roll no.= 35
Student Name= Shweta Kumari
Computer = 89
Physics= 56
Chemistry= 75
Maths= 95
English= 41
Average Marks= 71
Percentage= 71
Admission no.= 27
Roll no.= 36
Student Name= Sibtain Khan
Computer = 78
Physics= 89
Chemistry= 85
Maths= 84
English= 65
Average Marks= 80
Percentage= 80
Admission no.= 30
Roll no.= 37
Student Name= Suhani Dey
Computer = 74
Physics= 55
Chemistry= 65
Maths= 65
English= 68
Average Marks= 65
Percentage= 65
Admission no.= 22

Roll no.= 38
Student Name= Tarun Mahato
Computer = 48
Physics= 52
Chemistry= 45
Maths= 56
English= 55
Average Marks= 51
Percentage= 51
Admission no.= 37
Roll no.= 39
Student Name= Tejpratap Singh
Computer = 56
Physics= 89
Chemistry= 98
Maths= 75
English= 57
Average Marks= 75
Percentage= 75
Admission no.= 20
Roll no.= 40
Student Name= Vishnu Singh
Computer = 48
Physics= 84
Chemistry= 75
Maths= 57
English= 65
Average Marks= 66
Percentage= 66

SOURCE CODE

FRONT-END CODE

```
c=input("Enter Password")
pwd="Jsk4ever"
if(c==pwd):
    print("Enter '1' for Principal")
    print("Enter '2' for Teacher")
    print("Enter '3' for Office Staff")
    print("Enter '4' for Student")
    choice=input("Who is Accessing the Database:")
    if(choice=='1'):
        print("You have viewing access to all data in the database")
        print("Enter '1' for student database.")
        print("Enter '2' for student marks database.")
        print("Enter '3' for student fees database.")
        print("Enter '4' for staff database.")
        print("Enter '5' for teacher database.")
        print("Enter '6' for office database.")
        choice1=input("Which database do you want to access:")
        if(choice1=='1'):
            import mysql.connector

            connection = mysql.connector.connect(host='localhost',
                                                database='cims',
                                                user='root',
                                                password='root')

            query="select * from studentmaster"
            cursor=connection.cursor()
            cursor.execute(query)
            records=cursor.fetchall()
            print("Total number of rows in studentmaster is: ",cursor.rowcount)
            print("Printing each record:")
            for row in records:
                print("Admission no.= ",row[0])
```

```

        print("Student Name= ",row[1])
        print("Fathers Name = ",row[2])
        print("Mothers Name= ",row[3])
        print("Class= ",row[4])
        print("Section= ",row[5])
        print("Mobile No.= ",row[6])
elif(choice1=='2'):
    import mysql.connector

    connection = mysql.connector.connect(host='localhost',
                                         database='cims',
                                         user='root',
                                         password='root')

    query="select * from marksmaster"
    cursor=connection.cursor()
    cursor.execute(query)
    records=cursor.fetchall()
    print("Total number of rows in marksmaster is: ",cursor.rowcount)
    print("Printing each record:")
    for row in records:
        print("Admission no.= ",row[0])
        print("Roll no.= ",row[1])
        print("Student Name= ",row[2])
        print("Computer = ",row[3])
        print("Physics= ",row[4])
        print("Chemistry= ",row[5])
        print("Maths= ",row[6])
        print("English= ",row[7])
        print("Average Marks= ",row[8])
        print("Percentage= ",row[9])
elif(choice1=='3'):
    import mysql.connector

```



```

connection = mysql.connector.connect(host='localhost',
                                     database='cims',
                                     user='root',
                                     password='root')
query="select * from feesmaster"
cursor=connection.cursor()
cursor.execute(query)
records=cursor.fetchall()
print("Total number of rows in feesmaster is: ",cursor.rowcount)
print("Printing each record:")
for row in records:
    print("Admission no.= ",row[0])
    print("Roll no.= ",row[1])
    print("Student Name= ",row[2])
    print("Amount Payable = ",row[3])
    print("Amount Paid= ",row[4])
    print("1st Quater= ",row[5])
    print("2nd Quater= ",row[6])
    print("3rd Quater= ",row[7])
    print("4th Quater= ",row[8])
    print("Fee status= ",row[9])
elif(choice1=='4'):
    import mysql.connector

    connection = mysql.connector.connect(host='localhost',
                                         database='cims',
                                         user='root',
                                         password='root')

    query="select * from staffmaster"
    cursor=connection.cursor()
    cursor.execute(query)
    records=cursor.fetchall()

```

```

print("Total number of rows in staffmaster is: ",cursor.rowcount)
print("Printing each record:")
for row in records:
    print("ID no.= ",row[0])
    print("Staff Name= ",row[1])
    print("UID No. = ",row[2])
    print("Qualification= ",row[3])
    print("Mobile No.= ",row[4])
elif(choice1=='5'):
    import mysql.connector

    connection = mysql.connector.connect(host='localhost',
                                         database='cims',
                                         user='root',
                                         password='root')
    query="select * from teachermaster"
    cursor=connection.cursor()
    cursor.execute(query)
    records=cursor.fetchall()
    print("Total number of rows in teachermaster is: ",cursor.rowcount)
    print("Printing each record:")
    for row in records:
        print("ID no.= ",row[0])
        print("Teachers ID No.= ",row[1])
        print("Teachers Name = ",row[2])
        print("UID No.= ",row[3])
        print("Subjects Taught= ",row[4])
        print("Classes Taught= ",row[5])
        print("Mobile No.= ",row[6])
elif(choice1=='6'):
    import mysql.connector

```

```

connection = mysql.connector.connect(host='localhost',
                                     database='cims',
                                     user='root',
                                     password='root')
query="select * from officemaster"
cursor=connection.cursor()
cursor.execute(query)
records=cursor.fetchall()
print("Total number of rows in officemaster is: ",cursor.rowcount)
print("Printing each record:")
for row in records:
    print("ID no. = ",row[0])
    print("Office staff Name= ",row[1])
    print("UID No. = ",row[2])
    print("Mobile No.= ",row[3])
else:
    print("Please enter a valid choice")
elif(choice=='2'):
    print("You have viewing access to student and marks data in the database")
    print("Enter '1' for student database.")
    print("Enter '2' for student marks database.")
    choice1=input("Which database do you want to access:")
    if(choice1=='1'):
        import mysql.connector

        connection = mysql.connector.connect(host='localhost',
                                             database='cims',
                                             user='root',
                                             password='root')

        query="select * from studentmaster"
        cursor=connection.cursor()
        cursor.execute(query)

```

```

records=cursor.fetchall()
print("Total number of rows in studentmaster is: ",cursor.rowcount)
print("Printing each record:")
for row in records:
    print("Admission no.= ",row[0])
    print("Student Name= ",row[1])
    print("Fathers Name = ",row[2])
    print("Mothers Name= ",row[3])
    print("Class= ",row[4])
    print("Section= ",row[5])
    print("Mobile No.= ",row[6])
elif(choice1=='2'):
    import mysql.connector

    connection = mysql.connector.connect(host='localhost',
                                         database='cims',
                                         user='root',
                                         password='root')

    query="select * from marksmaster"
    cursor=connection.cursor()
    cursor.execute(query)
    records=cursor.fetchall()
    print("Total number of rows in marksmaster is: ",cursor.rowcount)
    print("Printing each record:")
    for row in records:
        print("Admission no.= ",row[0])
        print("Roll no.= ",row[1])
        print("Student Name= ",row[2])
        print("Computer = ",row[3])
        print("Physics= ",row[4])
        print("Chemistry= ",row[5])
        print("Maths= ",row[6])

```

```

        print("English= ",row[7])
        print("Average Marks= ",row[8])
        print("Percentage= ",row[9])
    else:
        print("Please enter a valid choice")

elif(choice=='3'):
    print("You have viewing access to student and fees data in the database")
    print("Enter '1' for student database.")
    print("Enter '2' for student fees database.")
    choice1=input("Which database do you want to access:")
    if(choice1=='1'):
        import mysql.connector

        connection = mysql.connector.connect(host='localhost',
                                             database='cims',
                                             user='root',
                                             password='root')

        query="select * from studentmaster"
        cursor=connection.cursor()
        cursor.execute(query)
        records=cursor.fetchall()
        print("Total number of rows in studentmaster is: ",cursor.rowcount)
        print("Printing each record:")
        for row in records:
            print("Admission no.= ",row[0])
            print("Student Name= ",row[1])
            print("Fathers Name = ",row[2])
            print("Mothers Name= ",row[3])
            print("Class= ",row[4])
            print("Section= ",row[5])

```

```

        print("Mobile No.= ",row[6])
elif(choice1=='2'):
    import mysql.connector

    connection = mysql.connector.connect(host='localhost',
                                         database='cims',
                                         user='root',
                                         password='root')

    query="select * from feesmaster"
    cursor=connection.cursor()
    cursor.execute(query)
    records=cursor.fetchall()
    print("Total number of rows in feesmaster is: ",cursor.rowcount)
    print("Printing each record:")
    for row in records:
        print("Admission no.= ",row[0])
        print("Roll no.= ",row[1])
        print("Student Name= ",row[2])
        print("Amount Payable = ",row[3])
        print("Amount Paid= ",row[4])
        print("1st Quater= ",row[5])
        print("2nd Quater= ",row[6])
        print("3rd Quater= ",row[7])
        print("4th Quater= ",row[8])
        print("Fee status= ",row[9])
    else:
        print("Please enter a valid choice")

elif(choice=='4'):
    print("You have viewing access to student, fees and marks data in the database")
    print("Enter '1' for student database.")

```

```

print("Enter '2' for student marks database.")
print("Enter '3' for student fees database.")
choice1=input("Who is Accessing the Database:")
if(choice1=='1'):
    import mysql.connector

    connection = mysql.connector.connect(host='localhost',
                                         database='cims',
                                         user='root',
                                         password='root')

    query="select * from studentmaster"
    cursor=connection.cursor()
    cursor.execute(query)
    records=cursor.fetchall()
    print("Total number of rows in studentmaster is: ",cursor.rowcount)
    print("Printing each record:")
    for row in records:
        print("Admission no.= ",row[0])
        print("Student Name= ",row[1])
        print("Fathers Name = ",row[2])
        print("Mothers Name= ",row[3])
        print("Class= ",row[4])
        print("Section= ",row[5])
        print("Mobile No.= ",row[6])
elif(choice1=='2'):
    import mysql.connector

    connection = mysql.connector.connect(host='localhost',
                                         database='cims',
                                         user='root',
                                         password='root')

    query="select * from marksmaster"

```

```

cursor=connection.cursor()
cursor.execute(query)
records=cursor.fetchall()
print("Total number of rows in marksmaster is: ",cursor.rowcount)
print("Printing each record:")
for row in records:
    print("Admission no.= ",row[0])
    print("Roll no.= ",row[1])
    print("Student Name= ",row[2])
    print("Computer = ",row[3])
    print("Physics= ",row[4])
    print("Chemistry= ",row[5])
    print("Maths= ",row[6])
    print("English= ",row[7])
    print("Average Marks= ",row[8])
    print("Percentage= ",row[9])
elif(choice1=='3'):
    import mysql.connector

    connection = mysql.connector.connect(host='localhost',
                                         database='cims',
                                         user='root',
                                         password='root')

    query="select * from feesmaster"
    cursor=connection.cursor()
    cursor.execute(query)
    records=cursor.fetchall()
    print("Total number of rows in feesmaster is: ",cursor.rowcount)
    print("Printing each record:")
    for row in records:
        print("Admission no.= ",row[0])
        print("Roll no.= ",row[1])

        print("Amount Payable = ",row[3])
        print("Amount Paid= ",row[4])
        print("1st Quater= ",row[5])
        print("2nd Quater= ",row[6])
        print("3rd Quater= ",row[7])
        print("4th Quater= ",row[8])
        print("Fee status= ",row[9])
    else:
        print("Please enter a valid choice")

```


STUDENT TABLE

```
import mysql.connector

connection = mysql.connector.connect(host='localhost',
                                     database='cims',
                                     user='root',
                                     password='root')

Table = """CREATE TABLE studentmaster
(
    AdmissionNumber int(11) NOT NULL PRIMARY KEY,
    StudentsName varchar(200) NOT NULL,
    FathersName varchar(200) NOT NULL,
    MothersName varchar(200) NOT NULL,
    Class int(5) NOT NULL,
    Section varchar(20) NOT NULL,
    MobileNumber int(10) NOT NULL
);"""

cursor=connection.cursor()
result=cursor.execute(Table)
print("Table Created Successfully")
```

MARKS TABLE

```
import mysql.connector

connection = mysql.connector.connect(host='localhost',
                                     database='cims',
                                     user='root',
                                     password='root')

Table= """CREATE TABLE marksmaster
(
    AdmissionNumber int(11) NOT NULL FOREIGN KEY REFERENCES studentmaster(AdmissionNumber),
    RollNumber int(4) NOT NULL PRIMARY KEY,
    StudentsName varchar(200) NOT NULL,
    Computer int(10) NOT NULL,
    Physics int(10) NOT NULL,
    Chemistry int(10) NOT NULL,
    Maths int(10) NOT NULL,
    English int(10) NOT NULL,
    AverageMarks int(10) NOT NULL,
    AveragePercentage int(10) NOT NULL
);"""

cursor=connection.cursor()
result=cursor.execute(Table)
print("Marks Table Created Successfully")
```

FEES TABLE

```
import mysql.connector

connection = mysql.connector.connect(host='localhost',
                                     database='cims',
                                     user='root',
                                     password='root')

Table="""CREATE TABLE feesmaster
(
  AdmissionNumber int(11) NOT NULL FOREIGN KEY REFERENCES studentmaster(AdmissionNumber),
  RollNumber int(4) NOT NULL PRIMARY KEY,
  StudentsName varchar(200) NOT NULL,
  AmountPayable int(10) NOT NULL,
  AmountPaid int(10) NOT NULL,
  1stQuater varchar(10) NOT NULL,
  2ndQuater varchar(10) NOT NULL,
  3rdQuater varchar(10) NOT NULL,
  4thQuater varchar(10) NOT NULL,
  FeeStatus varchar(10) NOT NULL
);"""

cursor=connection.cursor()
result=cursor.execute(Table)
print("Fees Table Created Successfully")
```

STAFF TABLE

```
import mysql.connector

connection = mysql.connector.connect(host='localhost',
                                     database='cims',
                                     user='root',
                                     password='root')

Table="""CREATE TABLE teachermaster
(
  IDNumber int(11) NOT NULL,
  TeacherIDNumber int(10) NOT NULL PRIMARY KEY,
  TeacherName varchar(200) NOT NULL,
  UIDnumber int(10) NOT NULL,
  SubjectsTaught varchar(10) NOT NULL,
  ClassesTaught varchar(10) NOT NULL,
  MobileNumber int(10) NOT NULL
);"""

cursor=connection.cursor()
result=cursor.execute(Table)
print("Staff Table Created Successfully")
```

TEACHER TABLE

```
import mysql.connector

connection = mysql.connector.connect(host='localhost',
                                     database='cims',
                                     user='root',
                                     password='root')

Table= """CREATE TABLE officemaster
(
    IDNumber int(11) NOT NULL FOREIGN KEY REFERENCES staffmaster(IDNumber),
    OfficeIDNumber int(10) NOT NULL PRIMARY KEY,
    OfficeStaffName varchar(200) NOT NULL,
    UIDnumber int(10) NOT NULL,
    MobileNumber int(10) NOT NULL
);"""

cursor=connection.cursor()
result=cursor.execute(Table)
print("Staff Table Created Successfully")
```

OFFICE MASTER

```
import mysql.connector

connection = mysql.connector.connect(host='localhost',
                                     database='cims',
                                     user='root',
                                     password='root')

Table= """CREATE TABLE officemaster
(
    IDNumber int(11) NOT NULL FOREIGN KEY REFERENCES staffmaster(IDNumber),
    OfficeIDNumber int(10) NOT NULL PRIMARY KEY,
    OfficeStaffName varchar(200) NOT NULL,
    UIDnumber int(10) NOT NULL,
    MobileNumber int(10) NOT NULL
);"""

cursor=connection.cursor()
result=cursor.execute(Table)
print("Staff Table Created Successfully")
```

RECORD ENTRY

STUDENT TABLE

```
import mysql.connector
```

```
connection=mysql.connector.connect(host='localhost',  
                                   database='cims',  
                                   user='root',  
                                   password='root')
```

```
Values=***INSERT INTO studentmaster(AdmissionNumber,  
StudentsName,  
FathersName,  
MothersName,  
Class,  
Section,  
MobileNumber)  
VALUES
```

```
(1,'Aman Kumar Singh','Om Prakash Singh','Sheela Singh',12,'A',62011039),  
(2,'Avinash Sharma','Pradeep Sharma','Rinku Sharma',12,'A',75689023),  
(3,'Abhishek Kumar Mahato','Aman Mahato','Akansha Mahato ',12,'A',45764399),  
(4,'Aniket Mohanty','Chinmay Mohanty','Jayanti Mohanty',12,'A',4557889),  
(5,'MD. Shakeb Sheikh','MD. Farooq Sheikh','Zubia Sheikh',12,'B',45797489),  
(6,'Aakarsh Pattanaik','Aniket Pattanaik','Anjali Pattanaik',12,'C',45457789),  
(7,'Abhilash Kumar Singh','Ashutosh Singh','Shristi Singh',12,'A',4347689),  
(8,'Agnijeet Choudhary','Aditya Choudhary','Ananya Choudhary',12,'C',45763896),  
(9,'Ankush Jha','Ashutosh Jha','Shristi Jha',12,'B',45389508),  
(10,'Abhinav Kumar','Rakesh Kumar','Rashmi Kumari',12,'A',45234567),  
(11,'Arun Pratap Singh','Aayush Singh','Aayushi Singh',12,'C',45766756),  
(12,'Ayushman Ghosh','Abhinav Ghosh','Harshita Ghosh',12,'B',45764568),  
(13,'Arpita Singh','Aman Singh','Samriddhi Singh',12,'B',45789201),  
(14,'Harsh Gupta','Jayant Gupta','Shweta Gupta',12,'A',93348590),  
(15,'Shweta Kumari','Sunil Kumar','Nisha Kumari',12,'C',45766734),  
(16,'Shreyan Singh','Pratham Singh','Prity Singh',12,'B',45766345),  
(17,'Rishish Chourasiya','Ravi Chourasiya','Pragya Chourasiya',12,'A',45768956),  
(18,'Pragya Pandey','Ajay Prakash Pandey',' Seema Pandey',12,'B',4456846),
```

```
(19,'Rohit Kumar','Suraj Kumar','Shreya Kumari',12,'B',45748654),
(20,'Vishnu Singh','Mohit Singh','Bhoomi Singh',12,'A',78541236),
(21,'Shashank Das','Sourodeep Das','Debosmita Das',12,'A',62049004),
(22,'Tarun Mahato','Saurabh Mahato','Anisha Mahato',12,'B',4575068),
(23,'Pranav Kumar','Pranav Rishi','Suhani Kumari',12,'B',457664567),
(24,'Sanika Mulik','Jayanta Mulik','Vaishnavi Mulik',12,'B',4574367),
(25,'Nikhil Dev','Ayush Dev','Nisha Devi',12,'C',45746475),
(26,'Mohit Roy','Chandrashekhar Roy','Pushpa Roy',12,'B',45723547),
(27,'Sibtain Khan','Shaban Khan','Naina Khan',12,'A',5607833),
(28,'Prabhat Singh','Manoj Singh','Arpita Singh',12,'B',34954306),
(29,'Satyam Kumar','Shivam Kumar','Sony Kumari',12,'B',5820690),
(30,'Suhani Dey','Ajanta Dey','Smriti Dey',12,'B',5676859),
(31,'Sandeep Mahato','Lal Mohan Mahato','Anjali Mahato',12,'C',47894561),
(32,'Bhumika Tripathi','Munna Thripathi','Beena Tripathi',12,'A',54766789),
(33,'Ayush Dubey','Pratyush Dubey','Dipti Dubey',12,'B',98746789),
(34,'Kshitij Banerjee','Sushanto Banerjee','Mohika Banerjee',12,'A',32566789),
(35,'Sameer Anand','Aditya Anand','Sandeepa Anand',12,'A',65896789),
(36,'Aditya Kumar','Ram Kumar','Sita Kumari',12,'B',65846789),
(37,'Tejpratap Singh','Raj Kumar Singh','Sunidhi Singh',12,'B',12356789),
(38,'Aniket Ranjan','Abhinav Ranjan','Anjali Ranjan',12,'C',47895789),
(39,'Sanjit Mohapatra','Ravi Mohapatra','Sanjana Mohapatra',12,'C',91566789),
(40,'Ravi Kumar Singh ','Abhishek Singh','Pooja Singh',12,'B',45766789)
...
```

```
cursor=connection.cursor()
cursor.execute(Values)
connection.commit()
print(cursor.rowcount,"Record Inserted successfully into student table")
cursor.close()
```

MARKS MASTER

```
import mysql.connector

connection=mysql.connector.connect(host='localhost',
                                   database='cims',
                                   user='root',
                                   password='root')

Values="""INSERT INTO marksmaster(AdmissionNumber,
RollNumber,
StudentsName,
Computer,
Physics,
Chemistry,
Maths,
English,
AverageMarks,
Percentage
)
VALUES
(6,1,'Aakarsh Pattanaik',66,78,69,88,70,74.2,74),
(7,2,'Abhilash Kumar Singh',72,56,78,69,70,69,69),
(10,3,'Abhinav Kumar',45,66,78,90,45,64.8,65),
(3,4,'Abhishek Kumar Mahato',89,64,55,56,78,68.4,68),
(36,5,'Aditya Kumar',50,63,48,56,78,59,59),
(8,6,'Agnijeet Choudhary',69,70,74,45,89,69.4,69),
(1,7,'Aman Kumar Singh',78,89,85,84,65,80.2,80),
(4,8,'Aniket Mohanty',89,56,75,95,41,71.2,71),
(38,9,'Aniket Ranjan',85,95,65,31,45,64.2,64),
(9,10,'Ankush Jha',45,45,49,65,53,51.4,51),
(13,11,'Arpita Singh',86,48,84,75,89,76.4,76),
(11,12,'Arun Pratap Singh',87,88,74,58,65,74.4,74),
(2,13,'Avinash Sharma',55,66,44,88,51,63,63),
(33,14,'Ayush Dubey',56,56,89,54,55,62,62),
```

```
(12,15,'Ayushman Ghosh',95,55,86,48,78,72.4,72),
(32,16,'Bhumika Tripathi',78,98,55,42,31,60.8,61),
(14,17,'Harsh Gupta',68,67,66,65,64,60,60),
(34,18,'Kshitij Banerjee',78,89,85,84,65,80.2,80),
(5,19,'MD. Shakeb Sheikh',77,88,45,56,52,63.6,64),
(26,20,'Mohit Roy',87,54,65,32,84,66.4,67),
(25,21,'Nikhil Dev',74,75,76,79,87,78.2,78),
(28,22,'Prabhat Singh',85,86,59,56,63,69.8,70),
(18,23,'Pragya Pandey',77,88,45,56,52,63.6,64),
(23,24,'Pranav Kumar',78,89,85,84,65,79.6,80),
(40,25,'Ravi Kumar Singh',85,86,59,56,63,69.8,70),
(17,26,'Rishish Chourasiya',78,89,85,84,65,80.2,80),
(19,27,'Rohit Kumar',68,67,66,65,64,66,66),
(35,28,'Sameer Anand',78,89,85,84,65,80.2,80),
(31,29,'Sandeep Mahato',78,89,85,84,65,64.4,64),
(24,30,'Sanika Mulik',87,54,65,32,84,80,80),
(39,31,'Sanjit Mohaptra',78,89,85,84,64,81,81),
(29,32,'Satyam Kumar',78,89,85,84,69,81,81),
(21,33,'Shashank Das',89,56,75,95,41,71.2,71),
(16,34,'Shreyan Singh',87,54,65,32,84,64.4,64),
(15,35,'Shweta Kumari',89,56,75,95,41,71.2,71),
(27,36,'Sibtain Khan',78,89,85,84,65,80.2,80),
(30,37,'Suhani Dey',74,55,65,65,68,65.4,65),
(22,38,'Tarun Mahato',48,52,45,56,55,51.2,51),
(37,39,'Tejpratap Singh',56,89,98,75,57,75,75),
(20,40,'Vishnu Singh',48,84,75,57,65,65.8,66)
```

```
***
```

```
cursor=connection.cursor()
cursor.execute(Values)
connection.commit()
print(cursor.rowcount,"Record Inserted successfully into marks table")
cursor.close()
```

FEES TABLE

```
import mysql.connector

connection=mysql.connector.connect(host='localhost',
                                   database='cims',
                                   user='root',
                                   password='root')
Values="""INSERT INTO feesmaster(AdmissionNumber,
RollNumber,
StudentsName,
AmountPayable,
AmountPaid,
1stQuater,
2ndQuater,
3rdQuater,
4thQuater,
FeeStatus
)
VALUES
(6,1,'Aakarsh Pattanaik',8260,8260,'Yes','Yes','Yes','Yes','Cleared'),
(7,2,'Abhilash Kumar Singh',8260,8260,'Yes','Yes','Yes','No','No'),
(10,3,'Abhinav Kumar',8260,8260,'Yes','Yes','No','No','No'),
(3,4,'Abhishek Kumar Mahato',8260,8260,'Yes','Yes','Yes','Yes','Cleared'),
(36,5,'Aditya Kumar',8260,8260,'Yes','Yes','Yes','Yes','Cleared'),
(8,6,'Agnijeet Choudhary',8260,8260,'Yes','Yes','Yes','Yes','Cleared'),
(1,7,'Aman Kumar Singh',8260,8260,'Yes','Yes','Yes','Yes','Cleared'),
(4,8,'Aniket Mohanty',8260,8260,'Yes','Yes','Yes','Yes','Cleared'),
(38,9,'Aniket Ranjan',8260,8260,'Yes','Yes','Yes','Yes','Cleared'),
(9,10,'Ankush Jha',8260,8260,'Yes','Yes','Yes','Yes','Cleared'),
(13,11,'Arpita Singh',8260,8260,'Yes','Yes','Yes','Yes','Cleared'),
(11,12,'Arun Pratap Singh',8260,8260,'Yes','Yes','Yes','Yes','Cleared'),
(2,13,'Avinash Sharma',8260,8260,'Yes','Yes','Yes','Yes','Cleared'),
(33,14,'Ayush Dubey',8260,8260,'Yes','Yes','Yes','No','No'),
```



```
(12,15,'Ayushman Ghosh',8260,8260,'Yes','Yes','Yes','Yes','Cleared'),
(32,16,'Bhumika Tripathi',8260,8260,'Yes','Yes','Yes','Yes','Cleared'),
(14,17,'Harsh Gupta',8260,8260,'Yes','Yes','Yes','Yes','Cleared'),
(34,18,'Kshitij Banerjee',8260,8260,'Yes','Yes','Yes','Yes','Cleared'),
(5,19,'MD. Shakeb Sheikh',8260,8260,'Yes','Yes','Yes','Yes','Cleared'),
(26,20,'Mohit Roy',8260,8260,'Yes','Yes','Yes','No','No'),
(25,21,'Nikhil Dev',8260,8260,'Yes','Yes','Yes','Yes','Cleared'),
(28,22,'Prabhat Singh',8260,8260,'Yes','Yes','Yes','Yes','Cleared'),
(18,23,'Pragya Pandey',8260,8260,'Yes','Yes','Yes','Yes','Cleared'),
(23,24,'Pranav Kumar',8260,8260,'Yes','Yes','Yes','Yes','Cleared'),
(40,25,'Ravi Kumar Singh',8260,8260,'Yes','Yes','Yes','Yes','Cleared'),
(17,26,'Rishish Chourasiya',8260,8260,'Yes','No','Yes','Yes','No'),
(19,27,'Rohit Kumar',8260,8260,'Yes','Yes','Yes','Yes','Cleared'),
(35,28,'Sameer Anand',8260,8260,'Yes','Yes','Yes','Yes','Cleared'),
(31,29,'Sandeep Mahato',8260,8260,'Yes','Yes','Yes','Yes','Cleared'),
(24,30,'Sanika Mulik',8260,8260,'Yes','Yes','Yes','Yes','Cleared'),
(39,31,'Sanjit Mohaptra',8260,8260,'Yes','Yes','No','Yes','No'),
(29,32,'Satyam Kumar',8260,8260,'Yes','Yes','Yes','Yes','Cleared'),
(21,33,'Shashank Das',8260,8260,'Yes','Yes','Yes','Yes','Cleared'),
(16,34,'Shreyan Singh',8260,8260,'Yes','Yes','Yes','Yes','Cleared'),
(15,35,'Shweta Kumari',8260,8260,'Yes','Yes','Yes','Yes','Cleared'),
(27,36,'Sibtain Khan',8260,8260,'Yes','Yes','Yes','No','No'),
(30,37,'Suhani Dey',8260,8260,'Yes','Yes','Yes','Yes','Cleared'),
(22,38,'Tarun Mahato',8260,8260,'Yes','Yes','Yes','No','No'),
(37,39,'Tejpratap Singh',8260,8260,'Yes','Yes','Yes','No','Cleared'),
(20,40,'Vishnu Singh',8260,8260,'Yes','Yes','Yes','Yes','Cleared')

```

```
...
```

```
cursor=connection.cursor()
cursor.execute(Values)
connection.commit()
print(cursor.rowcount,"Record Inserted successfully into fees table")
cursor.close()
```

STAFF TABLE

```
import mysql.connector

connection=mysql.connector.connect(host='localhost',
                                   database='cims',
                                   user='root',
                                   password='root')
Values="""INSERT INTO staffmaster(IDNumber,
StaffName,
UIDnumber,
Qualification,
MobileNumber
)
VALUES
(1,'Aakansha Sinha',4564455,'BSc. Physics',96587909),
(2,'Anindita Roy',4565567,'MA. English',96534509),
(3,'Dashrath Singh',456667,'Bcom.',9645679),
(4,'Ishita Ghosh',4568456,'Bcom.',9654679),
(5,'Farroq Hassan',4568789,'Bcom.',96584459),
(6,'Pankaj Singh',4568890,'Mcom.',9655678),
(7,'Abhay Das',4568345,'Bcom.',9645909),
(8,'Rajesh Kumar',4568321,'MCA Computer',96567509),
(9,'Sharad Kumar',4568543,'Msc. Maths',9658959),
(10,'Sharda Suman',4568445,'BSc. Chemistry',96535356)
"""

cursor=connection.cursor()
cursor.execute(Values)
connection.commit()
print(cursor.rowcount,"Record Inserted successfully into staff table")
cursor.close()
```

TEACHER TABLE

```
import mysql.connector

connection=mysql.connector.connect(host='localhost',
                                   database='cims',
                                   user='root',
                                   password='root')
Values="""INSERT INTO teachermaster(IDNumber,
TeacherIDNumber,
TeacherName,
UIDnumber,
SubjectsTaught,
ClassesTaught,
MobileNumber
)
VALUES
(1,1,'Aakansha Sinha',4564455,'Physics',12,96587909),
(2,2,'Anindita Roy',4565567,'English',12,96534509),
(8,3,'Rajesh Kumar',4568321,'Computer',12,96567509),
(9,4,'Sharad Kumar',4568543,'Maths',12,9658959),
(10,5,'Sharda Suman',4568445,'Chemistry',12,96535356)
"""

cursor=connection.cursor()
cursor.execute(Values)
connection.commit()
print(cursor.rowcount,"Record Inserted successfully into teacher table")
cursor.close()
```

OFFICE TABLE

```
import mysql.connector

connection=mysql.connector.connect(host='localhost',
                                   database='cims',
                                   user='root',
                                   password='root')
Values="""INSERT INTO officemaster(IDNumber,
OfficeIDNumber,
OfficeStaffName,
UIDnumber,
MobileNumber
)
VALUES
(3,1,'Dashrath Singh',456667,9645679),
(4,2,'Ishita Ghosh',4568456,9654679),
(5,3,'Farroq Hassan',4568789,96584459),
(6,4,'Pankaj Singh',4568890,9655678),
(7,5,'Abhay Das',4568345,9645909)
...

cursor=connection.cursor()
cursor.execute(Values)
connection.commit()
print(cursor.rowcount,"Record Inserted successfully into office table")
cursor.close()
```

CONCLUSION

“Computer Institute Management System”, This project has every basic need of an Institute it includes everything, the data required to add any student is given. Everything entered can be accessed by the Principal of the Institute, The Teachers have access to the marks and the Office Staff have access to the fee details of the students, The students on the other hand can see their marks and their fee details. This project has a lot of potential for upgradation.

BIBLIOGRAPHY

Books used : Sumita Arora's Class 12 Python

Internet applications : Google