

1 INTRODUCTION

1.1 Existing System

The existing Keep Notes is manual system. The main drawback of the existing system is Storage consuming. The existing system need more space and only one person can login .

This document required more storing space, more manpower and job become tedious.

1.2 In Existing system following points are observed

- Chances of errors and data processing time
- Timely Due to manual process, required more time sync or save
- It increase updating complicated.

1.3 Needsfor The New System

The existing of Keep Notes is manually which require more space so it needs to computerize the system to get following benefits:

- Maintenance of data is very easy and workload is reduced.
- It's a paperless system.
- We can generate report on demand.
- It will give faster modification.

तत् त्वं पुष्पन् अपावृणु
केन्द्रीय विद्यालय संगठन

2 Requirement Gathering

2.1 Interviewing

The information is collected from system admin by interviewing to them and took suggesting from end user as per their requirement.

2.2 Visiting

For Clarification, consulted to many classmates and friends



तत् त्वं पूषन् अपावृणु
केन्द्रीय विद्यालय संगठन

3 Feasibility Study

3.1 Technical feasibility

There is no need of special technologies or equipment. The keep Notes works on any regular computer system(including raspberry pi). so, this application is technically feasible.

3.2 Economic feasibility

Open software(python and MySQL) is used for development for the Keep Notes . No need to pay for any type of software.so, this system is economically feasible.

3.3 Operation feasibility

System will be use immediate because The Keep Notes is easy to operate so there is no need to train user, so it is operationally feasible for any new learner.

3.4 Schedule feasibility

The Keep Notes project is relatively small project, also no such type of Complexity which may occurs delay.So, it is schedule feasible.

तत् त्वं पुष्पन् अपावृणु
केन्द्रीय विद्यालय संगठन

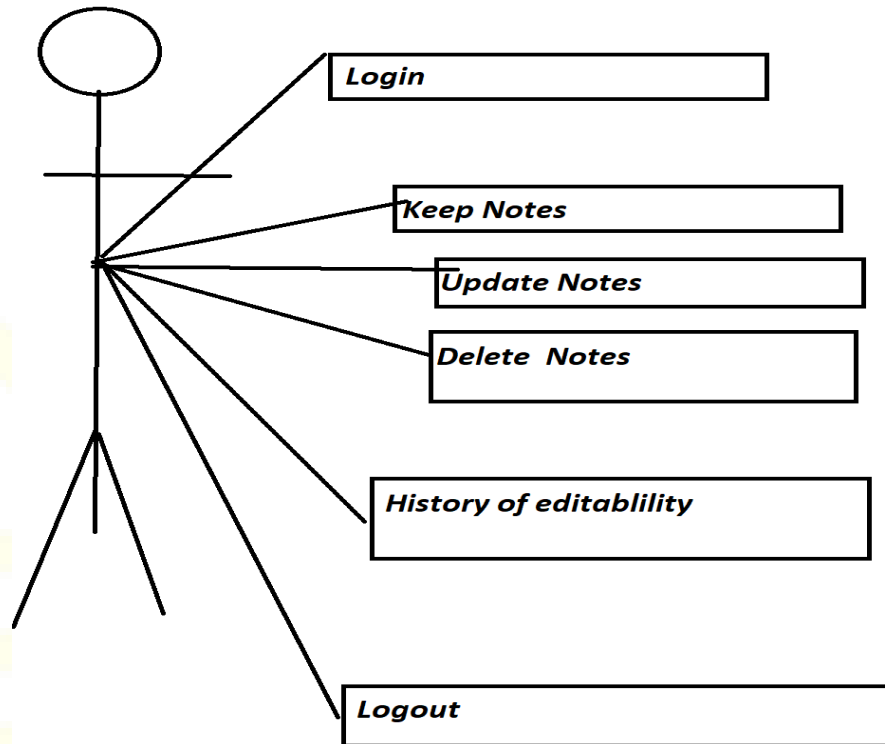
4 Problem Analysis

4.1 We are asked some question for good requirement those are as follow:

- What is the functionality you want in the system?
- What are the problems you face in the existing system?
- What's your expectation with the system?
- How do you manage to do this work manually?
- Is there anything else that wants to specify?
- What the help of analysis we tried out to reduce the communication gap between the user and us.

तत् त्वं पूषन् अपावृणु
केन्द्रीय विद्यालय संगठन

5 USE CASE DIAGRAMS



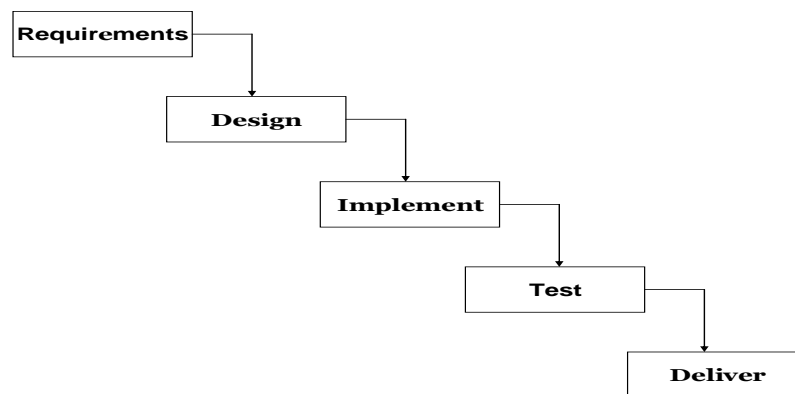
6 SDLC MODE

1. Which model to be use?

- The requirement of Keep Notes is clear and fixed.
- Stable definition of this project.
- No ambiguous requirement in this project.
- The Keep Notes project is small.

As per above conclusion, the linear sequential life cycle model (water fall) is suitable for this project.

➤ Software Engineering paradigm Applied



- The waterfall model derives its name due to the cascading effect from one phase to the other as is illustrated in above fig.
- In this model each phase where define starting and ending point with identifiable deliveries to the next phase.
- Note that this model is some time referred to as the linear sequential model or the software life cycle model.

➤ Requirement

- In the requirement phase the need to create the application is specified what is the need of the system is defined.
- What information to be feeder to create the application will come under the requirement phase?

➤ Design

- After the requirement phase the next phase is the design phase where the application is designed according the forms and other modules created.

➤ Implementation

- Implementation is the process of having a system personnel phase check out and put new equipment into use, train user, install new application and construct any file of data need to use it.

➤ Verification

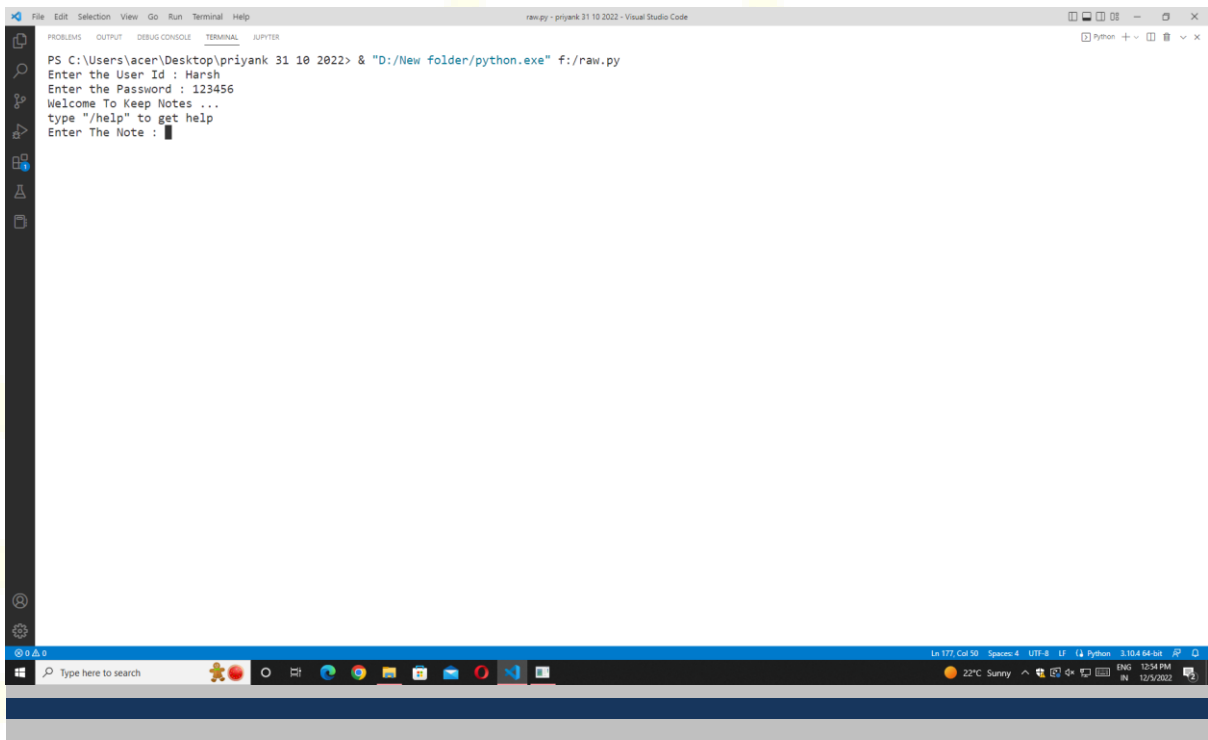
- After the whole application is being developed the main phase is verification phase where the whole application tested and verifies to check the whole application.

➤ Maintenance

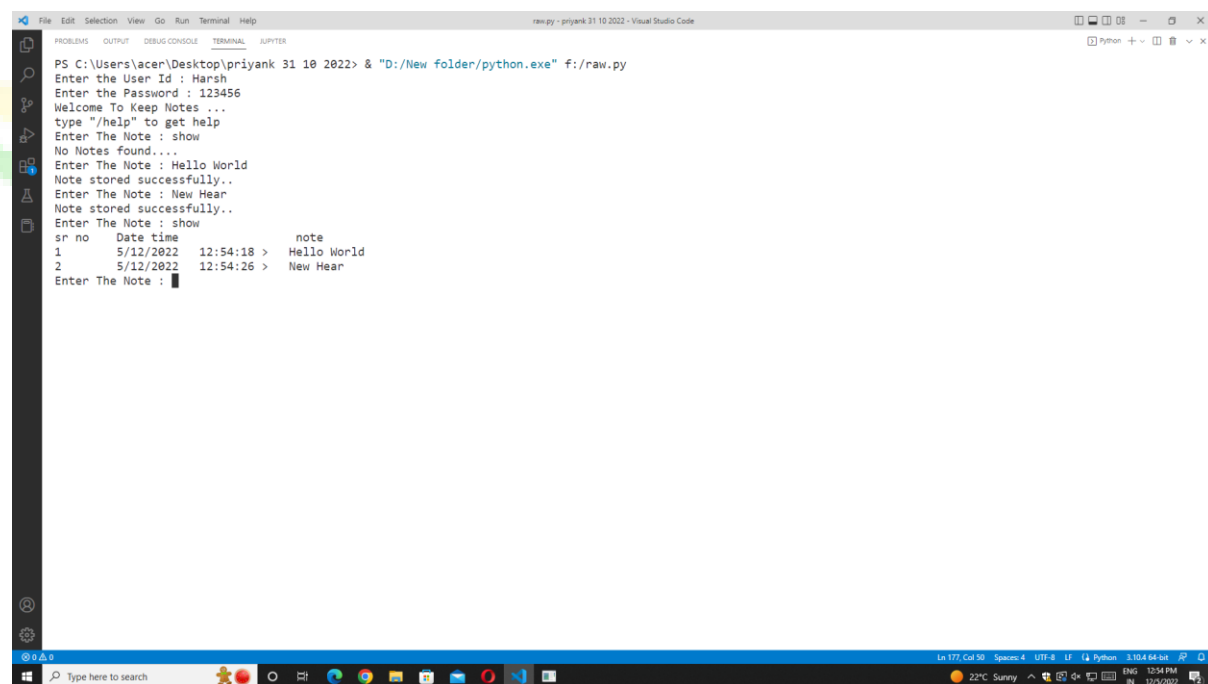
- After the successful verification of the application the main phase is the maintenance where the application needs to be maintained for its successful operation in future.

तत् त्वं पुष्पन् अपावृणु
केन्द्रीय विद्यालय संगठन

7. Output Screenshot



```
PS C:\Users\acer\Desktop\priyank 31 10 2022> & "D:/New folder/python.exe" f:/raw.py
Enter the User Id : Harsh
Enter the Password : 123456
Welcome To Keep Notes ...
type "/"help" to get help
Enter The Note : 
```



```
Enter The Note : show
No Notes found...
Enter The Note : Hello World
Note stored successfully..
Enter The Note : New Hear
Note stored successfully..
Enter The Note : show
sr no    Date time    note
1        5/12/2022    12:54:18 > Hello World
2        5/12/2022    12:54:26 > New Hear
Enter The Note : 
```



```
File Edit Selection View Go Run Terminal Help
newpy - priyank 31 10 2022 - Visual Studio Code
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
Enter The Note : show
No Notes found....
Enter The Note : Hello World
Note stored successfully..
Enter The Note : New Hear
Note stored successfully..
Enter The Note : show
sr no Date time note
1 5/12/2022 12:54:18 > Hello World
2 5/12/2022 12:54:26 > New Hear
Enter The Note : new notes added for testing
Note stored successfully..
Enter The Note : nothing is here to write
Note stored successfully..
Enter The Note : update
Welcome to update section
Enter the sr no : 2
Enter the new note New User
Notes are updated if the given sr no is valid
Enter The Note : show
sr no Date time note
1 5/12/2022 12:54:18 > Hello World
2 5/12/2022 12:54:26 > New User
3 5/12/2022 12:55:8 > new notes added for testing
4 5/12/2022 12:55:19 > nothing is here to write
Enter The Note : history
(1, '5/12/2022 12:54:18 > ', 'Hello World ', 'Original', 'Harsh')
(2, '5/12/2022 12:54:26 > ', 'New User', 'Edited', 'Harsh')
(3, '5/12/2022 12:55:8 > ', 'new notes added for testing ', 'Original', 'Harsh')
(4, '5/12/2022 12:55:19 > ', 'nothing is here to write', 'Original', 'Harsh')
Enter The Note : delete
Entered in delete
Enter the sr_no : 3
3
Deleted the note if the given sr no is valid
Enter The Note : show
sr no Date time note
1 5/12/2022 12:54:18 > Hello World
2 5/12/2022 12:54:26 > New User
4 5/12/2022 12:55:19 > nothing is here to write
Enter The Note :

Ln 177, Col 50 Spaces 4 UTF-8 LF Python 3.10.4 64-bit
22°C Sunny ENG 12:56 PM IN 12/9/2022

File Edit Selection View Go Run Terminal Help
newpy - priyank 31 10 2022 - Visual Studio Code
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
Enter The Note : show
No Notes found....
Enter The Note : Hello World
Note stored successfully..
Enter The Note : New Hear
Note stored successfully..
Enter The Note : show
sr no Date time note
1 5/12/2022 12:54:18 > Hello World
2 5/12/2022 12:54:26 > New User
3 5/12/2022 12:55:8 > new notes added for testing
4 5/12/2022 12:55:19 > nothing is here to write
Enter The Note : history
(1, '5/12/2022 12:54:18 > ', 'Hello World ', 'Original', 'Harsh')
(2, '5/12/2022 12:54:26 > ', 'New User', 'Edited', 'Harsh')
(3, '5/12/2022 12:55:8 > ', 'new notes added for testing ', 'Original', 'Harsh')
(4, '5/12/2022 12:55:19 > ', 'nothing is here to write', 'Original', 'Harsh')
Enter The Note : delete
Entered in delete
Enter the sr_no : 3
3
Deleted the note if the given sr no is valid
Enter The Note : show
sr no Date time note
1 5/12/2022 12:54:18 > Hello World
2 5/12/2022 12:54:26 > New User
4 5/12/2022 12:55:19 > nothing is here to write
Enter The Note :

Ln 177, Col 50 Spaces 4 UTF-8 LF Python 3.10.4 64-bit
22°C Sunny ENG 12:56 PM IN 12/9/2022
```

केन्द्रीय विद्यालय संगठन

```
PS C:\Users\acer\Desktop\priyank 31 10 2022> & "D:/New folder/python.exe" f:/raw.py
Enter the User Id : Harsh
Enter the Password : 123456
Welcome To Keep Notes ...
type "/help" to get help
Enter The Note : show
No Notes found...
Enter The Note : Hello World
Note stored successfully..
Enter The Note : New Hear
Note stored successfully..
Enter The Note : show
sr no    Date time    note
1       5/12/2022    12:54:18 > Hello World
2       5/12/2022    12:54:26 > New Hear
Enter The Note : new notes added for testing
Note stored successfully..
Enter The Note : nothing is here to write
Note stored successfully..
Enter The Note : update
Welcome to update section
Enter the sr no : 2
Enter the new note New User
Notes are updated if the given sr no is valid
Enter The Note : show
sr no    Date time    note
1       5/12/2022    12:54:18 > Hello World
2       5/12/2022    12:54:26 > New User
3       5/12/2022    12:55:8 > new notes added for testing
4       5/12/2022    12:55:19 > nothing is here to write
Enter The Note : 
```

```
Enter The Note : show
sr no    Date time    note
1       5/12/2022    12:54:18 > Hello World
2       5/12/2022    12:54:26 > New Hear
Enter The Note : new notes added for testing
Note stored successfully..
Enter The Note : nothing is here to write
Note stored successfully..
Enter The Note : update
Welcome to update section
Enter the sr no : 2
Enter the new note New User
Notes are updated if the given sr no is valid
Enter The Note : show
sr no    Date time    note
1       5/12/2022    12:54:18 > Hello World
2       5/12/2022    12:54:26 > New User
3       5/12/2022    12:55:8 > new notes added for testing
4       5/12/2022    12:55:19 > nothing is here to write
Enter The Note : history
(1, '5/12/2022 12:54:18 > ', 'Hello World ', 'Original', 'Harsh')
(2, '5/12/2022 12:54:26 > ', 'New User', 'Edited', 'Harsh')
(3, '5/12/2022 12:55:8 > ', 'new notes added for testing ', 'Original', 'Harsh')
(4, '5/12/2022 12:55:19 > ', 'nothing is here to write', 'Original', 'Harsh')
Enter The Note : delete
Entered in delete
Enter the sr_no : 3
3
Deleted the note if the given sr no is valid
Enter The Note : show
sr no    Date time    note
1       5/12/2022    12:54:18 > Hello World
2       5/12/2022    12:54:26 > New User
4       5/12/2022    12:55:19 > nothing is here to write
Enter The Note : report
Enter the Time or Date : 12:55
sr no    Date time    note
4       5/12/2022    12:55:19 > nothing is here to write
Enter The Note : exit
Note stored successfully..
Enter The Note : 
```

```
File Edit Selection View Go Run Terminal Help
rampy - priyank 31 10 2022 - Visual Studio Code
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
Python + - - - - -
sr no Date time note
1 5/12/2022 12:54:18 > Hello World
2 5/12/2022 12:54:26 > New Hear
Enter The Note : new notes added for testing
Note stored successfully..
Enter The Note : nothing is here to write
Note stored successfully..
Enter The Note : update
Welcome to update section
Enter the sr no : 2
Enter the new note New User
Notes are updated if the given sr no is valid
Enter The Note : show
sr no Date time note
1 5/12/2022 12:54:18 > Hello World
2 5/12/2022 12:54:26 > New User
3 5/12/2022 12:55:8 > new notes added for testing
4 5/12/2022 12:55:19 > nothing is here to write
Enter The Note : history
(1, '5/12/2022 12:54:18 > ', 'Hello World ', 'Original', 'Harsh')
(2, '5/12/2022 12:54:26 > ', 'New User', 'Edited', 'Harsh')
(3, '5/12/2022 12:55:8 > ', 'new notes added for testing ', 'Original', 'Harsh')
(4, '5/12/2022 12:55:19 > ', 'nothing is here to write', 'Original', 'Harsh')
Enter The Note : delete
Entered in delete
Enter the sr_no : 3
3
Deleted the note if the given sr no is valid
Enter The Note : show
sr no Date time note
1 5/12/2022 12:54:18 > Hello World
2 5/12/2022 12:54:26 > New User
4 5/12/2022 12:55:19 > nothing is here to write
Enter The Note : report
Enter the Time or Date : 12:55
sr no Date time note
4 5/12/2022 12:55:19 > nothing is here to write
Enter The Note : exit
Note stored successfully..
Enter The Note : logout
PS C:\Users\acer\Desktop\priyank 31 10 2022>
```

तत् त्वं पूषन् अपावृणु
केन्द्रीय विद्यालय संगठन

8. CODE

8.1 Keep Notes.py

```
import time
import mysql.connector

mydb =
mysql.connector.connect(host='localhost',user='root',passwd="root")
mycur = mydb.cursor()

mycur.execute('create database if not exists note')
mycur.execute('use note')
mycur.execute('create table if not exists userMaster(uid
varchar(10),password varchar(50))')

mycur.execute("Select * from userMaster")
if(len(mycur.fetchall())==0):
    mycur.execute("insert into userMaster value('Harsh','123456')")
    mycur.execute("insert into userMaster value('Master','111111')")
    mycur.execute("insert into userMaster value('Mohit','654321')")
    mycur.execute("insert into userMaster value('Mishra','123456')")
```

```
mycur.execute('create table if not exists chat_base(sr_no int primary key
auto_increment, time varchar(100),note varchar(8000),up_date_status
varchar (10), user varchar(50))')
```

```
user_id = input('Enter the User Id : ')
```

```
passwd = input('Enter the Password : ')
```

```
mycur.execute("Select * from userMaster where uid='"+user_id+"' and
password='"+passwd+"'")
```

```
if(len(mycur.fetchall())>0):
```

```
    while True:
```

```
        print('Welcome To Keep Notes ...')
```

```
        print('type "/help" to get help')
```

```
    while True:
```

```
        notes = input('Enter The Note : ')
```

```
        if (notes == "delete"):
```

```
            print('Entered in delete')
```

```
            delete_function = input("Enter the sr_no : ")
```

```
            print(delete_function)
```

```
            quarry_dlete_function = 'delete from chat_base where sr_no =
            '"+delete_function+"'
```

```
mycur.execute(quarry_dlete_function)
```

```
print("Deleted the note if the given sr no is valid")
```

```
mydb.commit()
```

```
elif(notes == "/help"):
```

```
    print('Enter any note and press ENTER to store ')
```

```
    print('write the notes in any character ')
```

```
    print('All Commands are in lower case be careful while using ..')
```

```
    print('Eg. Store "update" as "Update"')
```

```
    print('Type exit to exit in notes "DO NOT USE INSIDE ANY  
FUNCTION ONLY USED FROM NOTES INPUT PLACE "')
```

```
    print("ALL COMMANDS ARE AS FOLLOW \n1 'show' to show all  
notes \n2 'update' to update \n3 'delete' to delete note \n4 'report' to  
display report \n5 'history' to show history \n6 'logout' to logout")
```

```
elif(notes == "show"):
```

```
    mycur.execute('select sr_no from chat_base')
```

```
    sr_no_all = mycur.fetchall()
```

```
    mycur.execute('select note from chat_base')
```

```
    note_fetch_all = mycur.fetchall()
```

```
    mycur.execute('select time from chat_base')
```

```
    TIME_INPUT = mycur.fetchall()
```

```
length = len(TIME_INPUT)
```

```
if length==0 :
```

```
    print("No Notes found....")
```

```
    continue
```

```
print('sr no    Date time                note    ')
```

```
for i in range(0,length):
```

```
    c = str(sr_no_all[i][0])
```

```
    a = TIME_INPUT[i][0]
```

```
    b = note_fetch_all[i][0]
```

```
    fun = ""+c+"    "+a+" "+b+""
```

```
    print(fun)
```

```
elif(notes == "history"):
```

```
    mycur.execute('select * from chat_base')
```

```
    storage = mycur.fetchall()
```

```
    for i in range(len(storage)):
```

```
        print(storage[i])
```

```
elif(notes == "update"):
```

```
    print('Welcome to update section')
```

```
user_inp = input("Enter the sr no : ")

new_note = input ("Enter the new note ")


mycur.execute('update chat_base set
up_date_status="Edited",note="'+new_note+'" where sr_no=
'+user_inp+'')

mydb.commit()


print('Notes are updated if the given sr no is valid ')


elif(notes == "report"):

    d_t = input('Enter the Time or Date : ')


    mycur.execute('select sr_no from chat_base where time like
"%'+d_t+'%" and user="'+user_id+'')

    sr_no_all = mycur.fetchall()


    mycur.execute('select note from chat_base where time like
"%'+d_t+'%")

    note_fetch_all = mycur.fetchall()


    mycur.execute('select time from chat_base where time like
"%'+d_t+'%")

    TIME_INPUT = mycur.fetchall()


    length = len(TIME_INPUT)
```



```
if length==0 :
```

```
    print("No Notes found....")
```

```
    continue
```

```
print('sr no    Date time            note    ')
```

```
for i in range(0,length):
```

```
    c = str(sr_no_all[i][0])
```

```
    a = TIME_INPUT[i][0]
```

```
    b = note_fetch_all[i][0]
```

```
    fun = ""+c+"    "+a+" "+b+""
```

```
    print(fun)
```

```
elif(notes == "logout"):
```

```
    exit()
```

```
else:
```

```
    mycur.execute('select day(now()),month(now()),year(now())')
```

```
    q = mycur.fetchall()
```

```
    i1 = q[0][0]
```

```
    i2 = q[0][1]
```

```
    i3 = q[0][2]
```

```
a = str(i1)
```

```
b = str(i2)
```

```
c = str(i3)
```

```
string = ""+a+"/"+b+"/"+c+"
```

```
mycur.execute('select  
hour(now()),minute(now()),second(now())')
```

```
x = mycur.fetchall()
```

```
o1 = x[0][0]
```

```
o2 = x[0][1]
```

```
o3 = x[0][2]
```

```
q1 = str(o1)
```

```
q2 = str(o2)
```

```
q3 = str(o3)
```

```
string1 = ""+q1+":"+q2+":"+q3+"
```

```
datex = str(string)
```

```
timex = str(string1)
```

```
time_date = ""+datex+" "+timex+" > "
```

```
insert_into = 'insert into  
chat_base(time,note,up_date_status,user) value(%s,%s,"Original",%s)'
```

```
val = [time_date,notes,user_id]
```

```
mycur.execute(insert_into,val)
```

```
mydb.commit()
```

```
else:
```

```
print("Invalid User Id or Password")
```



तत् त्वं पूषन् अपावृणु
केन्द्रीय विद्यालय संगठन

9 CONCLUSION

- This system - 'Keep Notes' provides an easy way for the operator to interact with the data and to manipulate the Notes
- The operator can add, delete , update , search of Notes



तत् त्वं पूषन् अपावृणु
केन्द्रीय विद्यालय संगठन

10REFERENCE

1. <https://www.python.org/>



तत् त्वं पूषन् अपावृणु
केन्द्रीय विद्यालय संगठन

THANK

YOU

तत् त्वं पूषन् अपावृणु
केन्द्रीय विद्यालय संगठन