Computer Project

Record.Py

Record

Record , a necessary attendance tool for both personal and commercial purposes ...

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Class Roll no. 7
Academic Session: 2021-22 Board
Roll no. 1462950

Acknowledgement

This is to acknowledge all those without whom this project would not have been reality. Firstly, I would wish to thank our Computer Science teacher Mrs. Geetu Mungal ma’am who gave his immense support, dedicated her time towards it and made us understand how to make this project. Without her guidance, the project would not have been complete.

Though preparation of this computer science project was an immense learning experience and I inculcated many personal qualities during this process like responsibility, punctuality, confidence and others.

A project is a bridge between theoretical and practical learning and with this thinking I worked on the project and made it successful due to timely support and efforts of all who helped me

Certificate

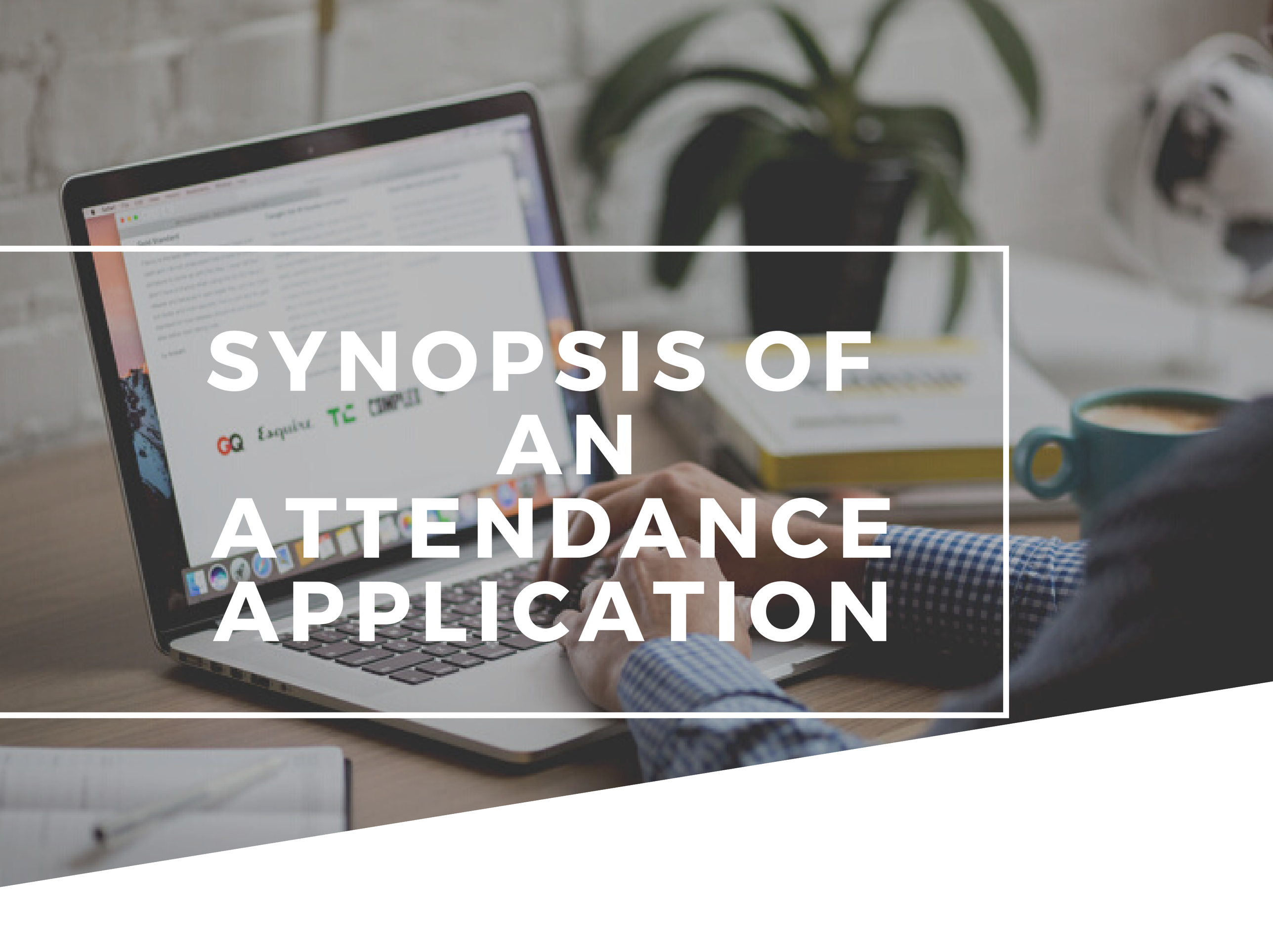
Don Bosco School
Alaknanda
New Delhi-110019

This is to certify that the computer science project titled 'Record' is a work done by Aditya Bajaj of class 12th B in the academic session of 2021-22,

Signature of
External examiner

Signature of
Internal examiner

~Aditya Bajaj
XII-B



SYNOPSIS OF AN ATTENDANCE APPLICATION

"RECORD"

SUBMITTED BY

- **Aditya Bajaj** Roll no. **7**

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Introduction

Welcome to Record: an attendance app for school and Work. This project is basically for both offline meetings and online meetings .

Due to the pandemic there is a mix of both offline meetings and online meetings .. Record can be helpful for such purposes as it keeps a record of all attendees separated in both online and offline attendance groups. in a local database for work or school

OBJECTIVE

KEEPING RECORDS OF

ONLINE

OFFLINE

IN AN ORGANISED AND SIMPLE MANNER

SCOPE OF THE PROJECT

CURRENTLY THE PROJECT IS AN OPEN SOURCE . I.E IT WILL BE AVAILABLE FOR EVERYONE IN THE EARLY ACCESS..
LATER IT SHALL BE PROVIDED TO FREE OF COST SCHOOLS , ORGANISATION AND EARLY TESTERS.. AND A PAID VERSION WOULD BE MADE AVAILABLE FOR PERSONAL USE.

Project Plan.

1. TO USE DJANGO AND MYSQL.. AN OPEN SOURCE LOCAL DATABASE TO PROVIDE "RECORD PROJECT" FREE OF COST AT A BIG SCALE TO SCHOOLS AND ORGANISATIONS.
2. TO PROVIDE A FREE GUIDE OF RECORD SHALL BE PROVIDED TO THE USERS

CURRENT PROBLEMS

We are facing some problems of computer application and connecting the local webapge to Mysql server...

The bug is likely to get resolvd in upcoming weeks.. and the record project shall be out...

PROPOSED SYSTEM

#1 An organisation makes a mysql rdbms account in mysql server

#2 Daily notifications: default daily notifications , can be turned off.

#3 set reminders : scheduled time to remind

#4 Sign in: enter user id , p@ssword

#5 Enter Data: Enter data in the form on the "record" webpage

INPUT / OUTPUT & PROCESSING TYPE

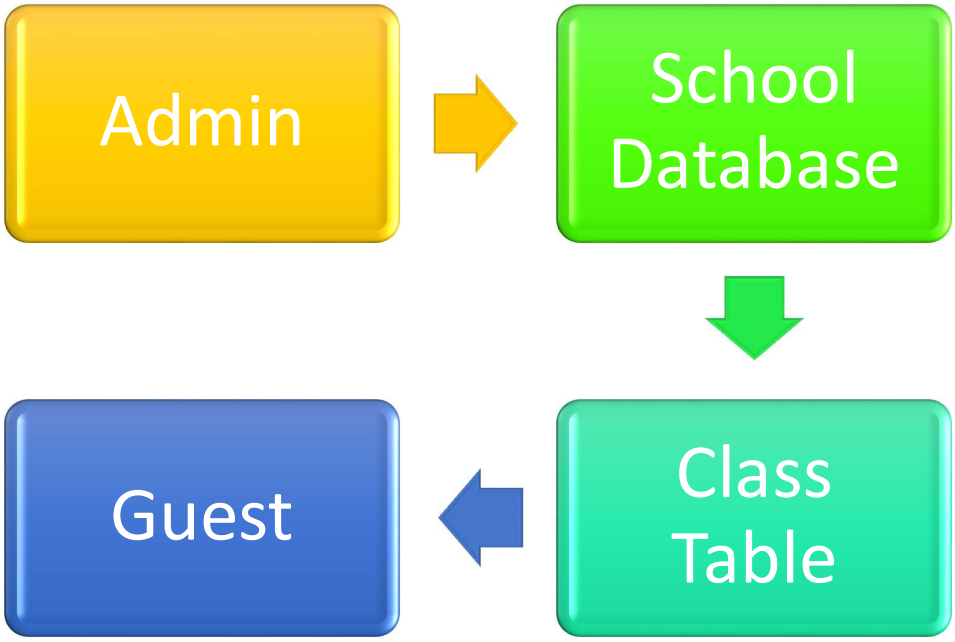
IN THIS PROJECT WE ARE MAINLY USING MYSQL DATABASE FOR THE BACKEND AND DJANGO MODULE TO MAKE AN ORGANISED AND SIMPLE ENVIRONMENT TO WORK IN .....

THANK YOU!

LAUNCHING : OCT 4, 2021 • 11AM

please suppport us.....

FLOW DIAGRAM

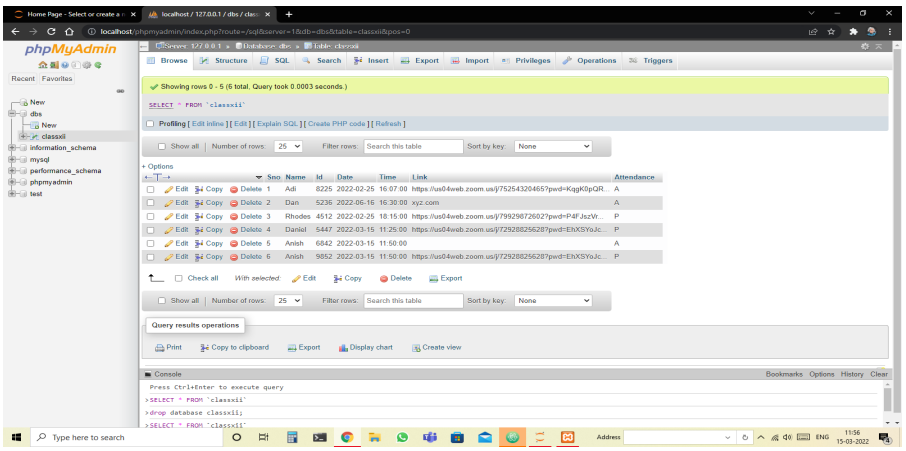


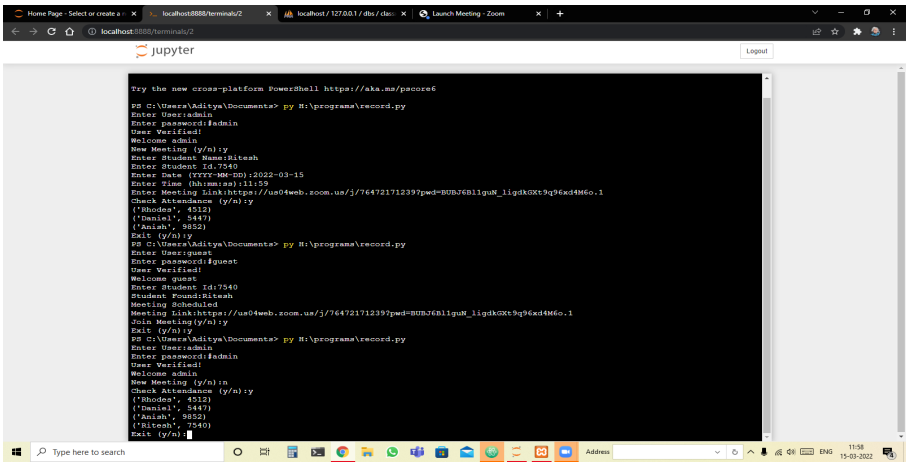
Record.py

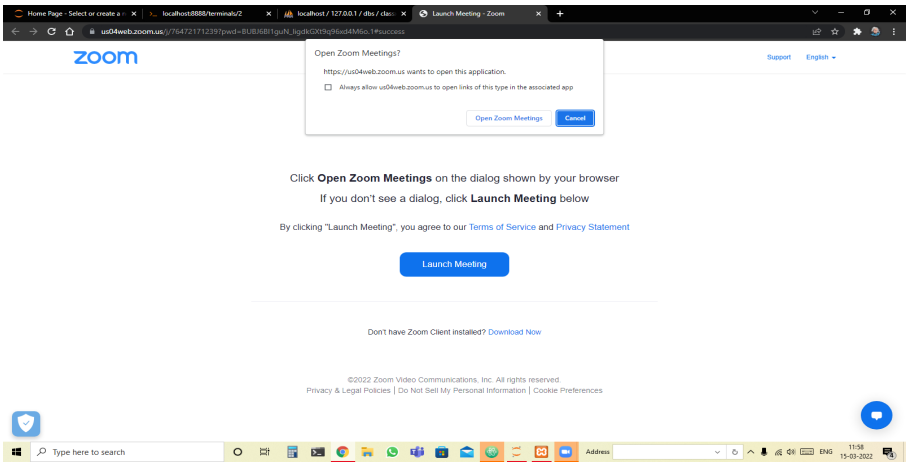
```
import datetime,webbrowser,sys
from mysql.connector import connect

def admin():
    password = '#admin'
    mydb = connect(
            host='localhost',
            user='admin',
            password=password,
            database = 'dbs')
    return(mydb,password)

def guest():
    password = '#guest'
    mydb = connect(
            host = 'localhost',
            user = 'guest',
            password = password,
            database = 'dbs')
    return(mydb,password)

def PassWord(attempts):
    if attempts != 0:
        Password = input('Enter password:')

        if Password == password:
            print('User Verified!')
            print('Welcome {}'.format(username))

        else:

            if attempts-1 !=0:
                print('Incorrect Password! Remaining Attempts:{}'.format(attempts-1))

            else:
                print('User Not Verified!')

            PassWord(attempts-1)

    else:
        pass

username = input('Enter User:')

def Nm(mydb):
    Mstuname = input('Enter Student Name:')
    Mstuno = int(input('Enter Student Id.'))
    MDate = input('Enter Date (YYYY-MM-DD):')
    MTime = input('Enter Time (hh:mm:ss):')
    MLink = input('Enter Meeting Link:')
    mydb.cursor().execute('''INSERT INTO classxii(
        Name,Id,Date,Time,Link,Attendance)
        VALUES(%s,%s,%s,%s,%s,%s)''',
    (Mstuname,Mstuno,MDate,MTime,MLink,'A'))
    mydb.commit()

def Ca(cursor):
    cursor.execute('SELECT Name,Id FROM classxii WHERE Attendance = "P"')
    results = cursor.fetchall()

    for i in results:
        print(i)

def Cm(mydb,cursor):
    iD = int(input('Enter Student Id:'))
    dATE = (str(datetime.datetime.now()).split(' ')[0]).split('-')
    tIME = str(str(str(datetime.datetime.now()).split(' ')[-1]).split('.')[0]).split(':')
    YYYY,MM,DD = dATE
    HH,M,_ = tIME
    cursor.execute('SELECT Sno,Name,Time,Link FROM classxii WHERE Id = %s AND Date = %s',
    (iD, datetime.date(int(YYYY),int(MM),int(DD))))
```

```
    results = cursor.fetchall()

    for i in results:
        print('Student Found:{}'.format(i[1]))
        tiME = i[2]
        hh,mm,_ = str(tiME).split(':')

        if hh>=HH:

            if mm>=M:
                print('Meeting Scheduled')

            else:
                print('You are running Late..')

            print('Meeting Link:{}'.format(i[-1]))
            om = input('Join Meeting(y/n):')

            if om == 'y':webbrowser.open(i[-1])

            cursor.execute('UPDATE classxii SET Attendance = "P" WHERE Sno = %s',(i[0],))
            mydb.commit()

if username.lower() == 'admin':
    mydb,password = admin()
    PassWord(3)
    mydb.cursor().execute('CREATE DATABASE IF NOT EXISTS classxii ')
    mydb.cursor().execute('''CREATE TABLE IF NOT EXISTS classxii(
    Sno INT AUTO_INCREMENT PRIMARY KEY,
    Name VARCHAR(20),
    Id INT,
    Date DATE,
    Time TIME,
    Link VARCHAR(100),
    Attendance VARCHAR(1))''')

    while True:
        nm = input("New Meeting (y/n):")

        if nm == 'y': Nm(mydb)
        ca = input('Check Attendance (y/n):')

        if ca == 'y': Ca(mydb.cursor())
        exit = input("Exit (y/n):")

        if exit == 'y': sys.exit()

elif username.lower() == 'guest':
    mydb,password = guest()
    PassWord(3)
    Cm(mydb,mydb.cursor())
    exit = input('Exit (y/n):')

    if exit == 'y': sys.exit()

else:
    print('User not Found!')
    sys.exit()
```

Output




jupyter
Logout
Try the new cross-platform PowerShell https://aka.ms/pscore6
PS C:\Users\Aditya\Documents> py M:\programs\record.py
Enter User:admin
Enter password:#admin
User Verified!
Welcome admin
New Meeting (y/n):y
Enter Student Name:Ritesh
Enter Student Id:7540
Enter Date (YYYY-MM-DD):2022-03-15
Enter Time (hh:mm:ss):11:59
Enter Meeting Link:https://us04web.zoom.us/j/76472171239?pwd=BUBJ6Bl1guN_ligdkGXt9q96xd4M6o.1
Check Attendance (y/n):y
('Rhodes', 4512)
('Daniel', 5447)
('Anish', 9852)
Exit (y/n):y
PS C:\Users\Aditya\Documents> py M:\programs\record.py
Enter User:guest
Enter password:#guest
User Verified!
Welcome guest
Enter Student Id:7540
Student Found:Ritesh
Meeting Scheduled
Meeting Link:https://us04web.zoom.us/j/76472171239?pwd=BUBJ6Bl1guN_ligdkGXt9q96xd4M6o.1
Join Meeting(y/n):y
Exit (y/n):y
PS C:\Users\Aditya\Documents> py M:\programs\record.py
Enter User:admin
Enter password:#admin
User Verified!
Welcome admin
New Meeting (y/n):n
Check Attendance (y/n):y
('Rhodes', 4512)
('Daniel', 5447)
('Anish', 9852)
('Ritesh', 7540)
Exit (y/n):


zoom
Support
English
Open Zoom Meetings?
https://us04web.zoom.us wants to open this application.
Always allow us04web.zoom.us to open links of this type in the associated app
Open Zoom Meetings
Cancel
Click Open Zoom Meetings on the dialog shown by your browser
If you don't see a dialog, click Launch Meeting below
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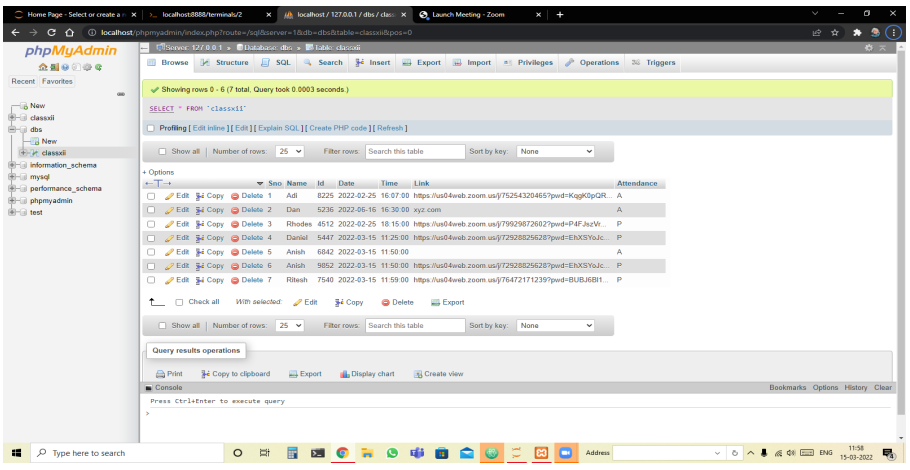

Bibliography

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- Dev.mysql.com
- Computer Science with Python (class 12th textbook)