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import datetime
import mysql.connector
mydb=mysql.connector.connect(host="localhost",
                             user="root",
                             password="Bisht$1914")
mycursor=mydb.cursor()
mycursor.execute("use library")

for x in range(0,1):
    print("\n\n\n\n")
    print("*"*95)
    print("\t\t\t\t\t MAIN MENU")
    print("*"*95)
    print("\t\t\t\t\t1.Add details of a new student")
    print("\t\t\t\t\t2.For displaying Records of all students")
    print("\t\t\t\t\t3.For displaying Records of a particular student/teacher")
    print("\t\t\t\t\t4.For deleting records of a particular person")
    print("\t\t\t\t\t5.For modification of records")
    print("\t\t\t\t\t6.For adding details of a book")
    print("\t\t\t\t\t7.For displaying details books borrowed by a student")
    print("\t\t\t\t\t8.For displaying all the borrower's name and book borrowed")
    print("\t\t\t\t\t9.Exit from this menu")

x='y'
while x=='y':
    choice=int(input("\nEnter your choice: "))
    print(end="\n")
    if choice==1:
        print("Enter the following details.....")
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print("Enter the following details.....")
s_no=1
mycursor.execute("Select * from basic_details order by S_no")
myresult=mycursor.fetchall()
for i in myresult:
    s_no=i[0]
s_no=s_no+1
typ="Student"
ID=int(input("Enter the admission number of the student: "))
name=input("Enter name of student: ")
phone_no=int(input("Enter phone number of student: "))
address=input("Enter address of student: ")
clas=int(input("Enter the class of student: "))
sec=input("Enter the section of student: ")
roll_no=int(input("Enter roll number of student: "))
mycursor.execute("insert into basic_details values('{}','{}','{}','{}','{}','{}','{}','{}')"\
    .format(s_no, ID, name, phone_no, address, clas, sec, roll_no))
mydb.commit()
print("Record has been saved into basic_details table.")
x=input("\nDo you want to continue (n/y):")

elif choice==2:
    mycursor.execute("Select * from basic_details order by S_no")
    myresult=mycursor.fetchall()
    for i in myresult:
        print(i,"\n")
    x=input("\nDo you want to continue (n/y): ")

elif choice==3:
    n=input("Enter id: ")

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n=input("Enter id: ")
sql="Select*from basic_details where id='%s'"%(n)
mycursor.execute(sql)
myresult=mycursor.fetchall()
for x in myresult:
    print(x)
x=input("\nDo you want to continue (n/y): ")

elif choice==4:
    n=input("Enter the id of the person's record to be deleted: ")
    sql="Delete from basic_details where id='%s'"%(n)
    mycursor.execute(sql)
    mydb.commit()
    x=input("\nDo you want to continue (n/y):")

elif choice==5:
    print('1.NAME \t 2.PHONE NO \t 3.ADDRESS \t 4.CLASS \t 5.SEC \t 6.ROLL NO')
    z=int(input('enter your choice'))
    if z==1:
        iD=int(input('Enter id whose name is to be modified: '))
        name=input('Enter modified name: ')
        sql='update basic_details set name=%s where id=%s'
        val=(name,iD)
        mycursor.execute(sql,val)
        mydb.commit()
    elif z==2:
        iD=int(input('enter id whose name is to be modified'))
        phone_no=input('Enter modified phone_no')
        sql='update basic_details set phone_no=%s where id=%s'
        val=(phone_no,iD)
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        val=(phone_no,iD)
        mycursor.execute(sql,val)
        mydb.commit()
elif z==3:
    iD=int(input('Enter id whose name is to be modified'))
    ad=input('Enter modified address')
    sql='update basic_details set address=%s where id=%s'
    val=(ad,iD)
    mycursor.execute(sql,val)
    mydb.commit()
elif z==4:
    iD=int(input('Enter id whose name is to be modified'))
    clas=input('Enter modified class')
    sql='update basic_details set class=%s where id=%s'
    val=(clas,iD)
    mycursor.execute(sql,val)
    mydb.commit()
elif z==5:
    iD=int(input('Enter id whose name is to be modified'))
    sec=input('Enter modified section')
    sql='update basic_details set sec=%s where id=%s'
    val=(sec,iD)
    mycursor.execute(sql,val)
    mydb.commit()
elif z==6:
    iD=int(input('Enter id whose name is to be modified'))
    roll_no=input('Enter modified roll_no')
    sql='update basic_details set roll_no=%s where id=%s'
    val=(roll_no,iD)
    mycursor.execute(sql,val)
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        mycursor.execute(sql, val)
        mydb.commit()
        x=input("\nDo you want to continue (n/y):")

elif choice==6:
    num=1
    book_id=int(input("Enter id of the book: "))
    name=input("Enter name of book: ")
    price=int(input("Enter price of the book: "))
    borrower_id=input("Enter the id of the borrower: ")
    b_date=input("Enter date: ")
    mycursor.execute(("insert into book_details values('{}','{}','{}','{}','{}','{}')"\
        .format(num, book_id, name, price, borrower_id, b_date)))
    mydb.commit()
    num=num+1
    print("Record has been saved into book_details table.")
    x=input("\nDo you want to continue (n/y):")

elif choice==7:
    ID=int(input("Enter your id: "))
    mycursor.execute("Select * from basic_details")
    myresult=mycursor.fetchall()
    for i in myresult:
        if i[1]==ID:
            print(i)
    mycursor.execute("Select * from book_details")
    myresult=mycursor.fetchall()
    for i in myresult:
        if i[4]==ID:
            print(i)

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        print(1)
    x=input("\nDo you want to continue (n/y):")

elif choice==8:
    mycursor.execute('select basic_details.name,book_details.bookname from basic_details,book_details\
                      where basic_details.id=book_details.borrower_id')
    myrecords=mycursor.fetchall()
    for y in myrecords:
        print(y)
    mydb.commit()
    x=input("\nDo you want to continue (n/y):")

elif choice==10:
    break
else:
    print("Invalid choice")
print('\n\t\t\t\t\tTHANKS FOR USING THE LIBRARY!!!')
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# MAIN MENU

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- 1.Add details of a new student
- 2.For displaying Records of all students
- 3.For displaying Records of a particular student/teacher
- 4.For deleting records of a particular person
- 5.For modification of records
- 6.For adding details of a book
- 7.For displaying details books borrowed by a student
- 8.For displaying all the borrower's name and book borrowed
- 9.Exit from this menu

Enter your choice: 1

Enter the following details.....

Enter the admission number of the student: 1231

Enter name of student: Ravi

Enter phone number of student: 896637387

Enter address of student: Defence Colony

Enter the class of student: 8

Enter the section of student: D

Enter roll number of student: 36

Record has been saved into basic\_details table.

Do you want to continue (n/y):n

THANKS FOR USING THE LIBRARY!!!

>>>

(7, 4562, 'Sonali Negi', 763353412, 'Ballupur', 12, 'B', 8)

(8, 5423, 'Shaswat Raturi', 983323212, 'Rajpur road', 12, 'B', 17)

(9, 6523, 'Anshika Negi', 874323422, 'Balawala', 12, 'B', 11)

(10, 7883, 'Shaurya Karasi', 953376232, 'Gorakhpur', 12, 'B', 54)

(11, 4567, 'Ashish', 817161511, 'Navada', 11, 'C', 8)

(12, 1231, 'Ravi', 896637387, 'Defence Colony', 8, 'D', 36)

Do you want to continue (n/y): y

Enter your choice: 3

Enter id: 7289

(2, 7289, 'Soumy Bisht', 984453442, 'Navada', 12, 'A', 31)

Enter your choice: 4

Enter the id of the person's record to be deleted: 1231

Do you want to continue (n/y):y

Enter your choice: 2

(1, 7233, 'Kapil Rawat', 984567343, 'Mothorawala', 12, 'A', 19)

(2, 7289, 'Soumy Bisht', 984453442, 'Navada', 12, 'A', 31)

(3, 4846, 'Avishka Bahuguna', 984342321, 'Badripur', 12, 'A', 10)

(4, 3676, 'Ayushi Sinha', 925763741, 'Ec road', 12, 'A', 12)

(5, 7675, 'Sukriti Gaur', 934233741, 'Banjarawala', 12, 'A', 33)

(6, 3420, 'Anmol Negi', 934233412, 'Kuanwala', 12, 'B', 31)

(7, 4562, 'Sonali Negi', 763353412, 'Ballupur', 12, 'B', 8)

(8, 5423, 'Shaswat Raturi', 983323212, 'Rajpur road', 12, 'B', 17)

(9, 6523, 'Anshika Negi', 874323422, 'Balawala', 12, 'B', 11)

(10, 7883, 'Shaurya Karasi', 953376232, 'Gorakhpur', 12, 'B', 54)

(11, 4567, 'Ashish', 817161511, 'Navada', 11, 'C', 8)

Do you want to continue (n/y): y

Enter your choice: 5

1.NAME 2.PHONE NO 3.ADDRESS 4.CLASS 5.SEC 6.ROLL NO

enter your choice3

Enter id whose name is to be modified4567

Enter modified addressNevada

Do you want to continue (n/y):y

Enter your choice: 3

Enter id: 4567

(11, 4567, 'Ashish', 817161511, 'Nevada', 11, 'C', 8)



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Do you want to continue (n/y): y

Enter your choice: 6

Enter id of the book: 1256

Enter name of book: Vistas

Enter price of the book: 90

Enter the id of the borrower: 7289

Enter date: 2019-11-20

Record has been saved into book\_details table.

Do you want to continue (n/y):y

Enter your choice: 7

Enter your id: 7289

(2, 7289, 'Soumy Bisht', 984453442, 'Navada', 12, 'A', 31)

(1, 1010, 'Computer Science', 495, 7289, datetime.date(2021, 2, 27))

(11, 1212, 'HC Verma', 500, 7289, datetime.date(2021, 3, 21))

(1, 1256, 'Vistas', 90, 7289, datetime.date(2019, 11, 20))

Do you want to continue (n/y):y

Enter your choice: 8

('Anmol Negi', 'Eagles Punch')

('Ayushi Sinha', 'Five friends')

('Sonali Negi', 'Three ghost')

('Avishka Bahuguna', 'Famous five')

('Shaswat Raturi', 'Homeland')

('Anshika Negi', 'Trios')

('Kapil Rawat', 'Python')

('Kapil Rawat', 'Three men in a boat')

('Soumy Bisht', 'Computer Science')

('Soumy Bisht', 'HC Verma')

('Soumy Bisht', 'Vistas')

('Shaurya Karasi', 'Flamingo')

('Shaurya Karasi', 'Death note')

Do you want to continue (n/y): 9

THANKS FOR USING THE LIBRARY!!!

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