



CODE FOR EXECUTION OF MENU



```
import mysql.connector
```

```
def addchar():
```

```
    mydb=mysql.connector.connect(host=  
        "localhost",user="root",password  
        ="tiger",database="hp_world")
```

```
    mycursor=mydb.cursor()
```

```
    cid=int(input("Enter character id"))
```

```
    cname=input("Enter character name")
```

```
    cactor=input("Enter character actor")
```

```
    cbldst=input("Enter character's  
        blood status")
```

```
    chouse=input("Enter character's  
        hogwarts house")
```

```
    cnick=input("Enter character's nick  
        name/popular name")
```

```
    cdob=input("Enter characters date of  
        birth YY-MM-DD")
```

```
    cwand=input("Enter character's wand  
        descripton")
```

```
cpatronus=input("Enter character's
                patronus")
cphyapp=input("Enter character's
              physical appearance")
t=(cid,cname,cactor,cbldst,choose
   ,cnick,cdob,cwand,cpatronus
   ,cphyapp)
query="insert into hpcharacter values
      (%s,%s,%s,%s,%s,%s,%s,%s,%s,%s)"
mycursor.execute(query,t)
mydb.commit()
```

```
def showchar():
```

```
    mydb=mysql.connector.connect(host=
        "localhost",user="root",password
        ="tiger",database="hp_world")
    mycursor=mydb.cursor()
    query="select * from hpcharacter"
    mycursor.execute(query)
    res=mycursor.fetchall()
```

```
t=("Character_ID","Character_Name",  
  "Character_Actor","Character_Blood  
    Status","Character_Hogwarts-  
      house","Character_Nickname",  
  "Character_DOB","Character_Wand"  
  ,"Character_Patronus","Character_  
    Physical Appearance")
```

```
for i in t:
```

```
    print(i,end="\t")
```

```
print()
```

```
print()
```

```
for rec in res:
```

```
    for col in rec:
```

```
        print(col,end="\t")
```

```
    print()
```

```
    print()
```

```
def showhouse():
```

```
    mydb=mysql.connector.connect(host=  
        "localhost",user="root",  
        password="tiger"  
        ,database="hp_world")
```

```
mycursor=mydb.cursor()
query="select * from hphouse"
mycursor.execute(query)
res=mycursor.fetchall()
t=("House_ID","House_Name","House_
    Founder","House_Animal","House_
    Colours","House_Element","House
    _Ghost","House_Member traits",
    "House_Heads","House_Members")
for i in t:
    print(i,end="\t")
print()
print()
for rec in res:
    for col in rec:
        print(col,end="\t")
    print()
    print()
```

```
def bssearch():
```

```
mydb=mysql.connector.connect(host=
                             "localhost",user="root",
                             password="tiger",
                             database="hp_world")

mycursor=mydb.cursor()
print()
ch=input(" * Enter P to see Pure-bloods
        \n * Enter H to see Half-
        Bloods \n * Enter M to see
        Muggle-Borns")

print()
if ch=="P" or ch=="p":
    query="select cname,
            chbloodst from
            hpcharacter where
            chbloodst='Pure-Blood'"
    mycursor.execute(query)
    res=mycursor.fetchall()
    t=("Character_Name","Character
        _Blood Status")
    for i in t:
        print(i,end="\t")
```

```
        print()
    print()
    for rec in res:
        for col in rec:
            print(col,end="\t")
        print()
    print()
elif ch=="H" or ch=="h":
    query="select chname,
            chbloodst from
            hpcharacter where
            chbloodst='Half-Blood'"
    mycursor.execute(query)
    res=mycursor.fetchall()
    t=("Character_Name","Character
        _Blood Status")
    for i in t:
        print(i,end="\t")
    print()
    print()
    for rec in res:
```

```
        for col in rec:
            print(col,end="\t")
        print()
        print()
elif ch=="M" or ch=="m":
    query="select chname,
            chbloodst from
            hpcharacter where
            chbloodst='Muggle-Born'"
    mycursor.execute(query)
    res=mycursor.fetchall()
    t=("Character_Name","Character
        _Blood Status")
    for i in t:
        print(i,end="\t")
    print()
    print()
    for rec in res:
        for col in rec:
            print(col,end="\t")
        print()
```



```
                print()
else:
    print()
    print("$$ ***** $$")
    print("$$Please enter a valid choice$$")
    print("$$ ***** $$")
    print()
```

```
def housesearch():
    mydb=mysql.connector.connect(host=
                                "localhost",user="root",
                                password="tiger",
                                database="hp_world")

    mycursor=mydb.cursor()
    print()
    ch=input(" *Enter G to see Gryffindor
              Members \n *Enter S to see
              Slytherin Members \n *Enter
              R to see Ravenclaw
```

Members \n *Enter H to see
Hufflepuff Members")

print()

if ch=="G" or ch=="g":

query="select cname,chhouse
from hpcharacter

where chhouse='Gryffindor'"

mycursor.execute(query)

res=mycursor.fetchall()

t=("Character_Name",
"Character_Hogwarts-house")

for i in t:

print(i,end="\t")

print()

print()

for rec in res:

for col in rec:

print(col,end="\t")

print()

print()

```
elif ch=="S" or ch=="s":
    query="select chname,
            chhouse from
            hpcharacter where
            chhouse='Slytherin'"
    mycursor.execute(query)
    res=mycursor.fetchall()
    t=("Character_Name",
        "Character_Hogwarts-house")
    for i in t:
        print(i,end="\t")
    print()
    print()
    for rec in res:
        for col in rec:
            print(col,end="\t")
        print()
        print()
elif ch=="R" or ch=="r":
    query="select chname,
            chhouse from hpcharacter
```

```
        where chhouse='Ravenclaw'"""
mycursor.execute(query)
res=mycursor.fetchall()
t=("Character_Name","Character_
    Hogwarts-house")
for i in t:
    print(i,end="\t")
print()
print()
for rec in res:
    for col in rec:
        print(col,end="\t")
    print()
    print()
elif ch=="H" or ch=="h":
    query="select chname,chhouse
        from hpcharacter where
            chhouse='Hufflepuff'"""
mycursor.execute(query)
res=mycursor.fetchall()
```

```
t=("Character_Name","Character_
Hogwarts-house")
```

```
for i in t:
```

```
    print(i,end="\t")
```

```
print()
```

```
print()
```

```
for rec in res:
```

```
    for col in rec:
```

```
        print(col,end="\t")
```

```
    print()
```

```
    print()
```

```
else:
```

```
    print()
```

```
    print("$ $ ***** $ $")
```

```
    print("$ $Please enter a valid choice$ $")
```

```
    print("$ $ ***** $ $")
```

```
    print()
```

```
def showstudent():  
    mydb=mysql.connector.connect(host=  
        "localhost",user="root",  
        password="tiger",  
        database="hp_world")  
  
    mycursor=mydb.cursor()  
    query="select * from hpmember"  
    mycursor.execute(query)  
    res=mycursor.fetchall()  
    t=("Student_ID","Student_Name",  
        "Student_House","Student_Blood  
        Status")  
    for i in t:  
        print(i,end="\t")  
    print()  
    print()  
    for rec in res:  
        for col in rec:  
            print(col,end="\t")  
        print()  
        print()
```

```
def addhousemem():  
    mydb=mysql.connector.connect(host=  
        "localhost",user="root",  
        password="tiger",  
        database="hp_world")  
    mycursor=mydb.cursor()  
    mid=int(input("Enter a 3-Digit  
        Student's ID"))  
    mname=input("Enter the Student's  
        Name")  
    mhouse=input("Enter the Student's  
        House")  
    mbldst=input("Enter the Student's  
        Blood Status")  
    t=(mid,mname,mhouse,mbldst)  
    query="insert into hpmember  
        values(%s,%s,%s,%s)"  
    mycursor.execute(query,t)  
    mydb.commit()
```

```
def showbook():  
    mydb=mysql.connector.connect(host=  
        "localhost",user="root",  
        password="tiger",  
        database="hp_world")  
  
    mycursor=mydb.cursor()  
    query="select * from hpbook"  
    mycursor.execute(query)  
    res=mycursor.fetchall()  
    t=("Book_ID","Book_Name",  
        "Book_Movie","Book_Year of  
        Publication","Book_Movie  
        Release Year"," Book_Summary")  
    for i in t:  
        print(i,end="\t")  
    print()  
    print()  
    for rec in res:  
        for col in rec:  
            print(col,end="\t")  
        print()  
        print()
```



```
def review():  
    mydb=mysql.connector.connect(host=  
        "localhost",user="root",  
        password="tiger",  
        database="hp_world")  
  
    mycursor=mydb.cursor()  
    query="select * from hpreview"  
    mycursor.execute(query)  
    res=mycursor.fetchall()  
    t=("Individual_ID","Individual_Name",  
        "Individual_Email ID",  
        "Individual_Feedback")  
  
    for i in t:  
        print(i,end="\t")  
  
    print()  
    print()  
  
    for rec in res:  
        for col in rec:  
            print(col,end="\t")  
  
        print()  
        print()
```

```
def feedback():  
    mydb=mysql.connector.connect(host=  
        "localhost",user="root",  
        password="tiger",  
        database="hp_world")  
    mycursor=mydb.cursor()  
    mid=int(input("Enter a 3-Digit ID"))  
    mname=input("Enter your Name")  
    mhouse=input("Enter your Email Id")  
    mbldst=input("Enter your Feedback")  
    t=(mid,mname,mhouse,mbldst)  
    query="insert into hpreview  
        values(%s,%s,%s,%s)"  
    mycursor.execute(query,t)  
    mydb.commit()
```

```
def fbshow():  
    mydb=mysql.connector.connect(host=  
        "localhost",user="root",  
        password="tiger",  
        database="hp_world")  
  
    mycursor=mydb.cursor()  
    query="select * from fbbook"  
    mycursor.execute(query)  
    res=mycursor.fetchall()  
    t=("Book_ID","Book_Name",  
        "Book_Movie","Book_Year of  
        Publication","Book_Movie  
        Release Year")  
    for i in t:  
        print(i,end="\t")  
    print()  
    print()  
    for rec in res:  
        for col in rec:  
            print(col,end="\t")  
        print()  
        print()
```

```
def fbreview():  
    mydb=mysql.connector.connect(host=  
        "localhost",user="root",  
        password="tiger",  
        database="hp_world")  
  
    mycursor=mydb.cursor()  
    query="select * from fbreview"  
    mycursor.execute(query)  
    res=mycursor.fetchall()  
    t=("Individual_ID","Individual_Name",  
        "Individual_Email ID",  
        "Individual_Feedback")  
  
    for i in t:  
        print(i,end="\t")  
  
    print()  
    print()  
  
    for rec in res:  
        for col in rec:  
            print(col,end="\t")  
  
        print()  
        print()
```

```
def fbfeedback():  
    mydb=mysql.connector.connect(host=  
                                "localhost",user="root",  
                                password="tiger",  
                                database="hp_world")  
  
    mycursor=mydb.cursor()  
    mid=int(input("Enter a 3-Digit ID"))  
    mname=input("Enter your Name")  
    mhouse=input("Enter your Email Id")  
    mbldst=input("Enter your Feedback")  
    t=(mid,mname,mhouse,mbldst)  
    query="insert into fbreview  
          values(%s,%s,%s,%s)"  
    mycursor.execute(query,t)  
    mydb.commit()
```

ch=1

while ch!=0:

```
print()
```

```
print("*****  
*****")
```

```
print("<< Welcome To 'The Wizarding World  
Library' !! >>")
```

```
print("*****  
*****")
```

```
print()
```

```
ch=int(input("*Enter 1 to visit Harry Potter's  
Characters' Menu \n  
*Enter 2 to visit Hogwarts  
Houses' Menu \n  
*Enter 3 to visit Fantastic  
Beasts Books & Movies  
Feedback Menu \n  
*Enter 4 to visit Harry Potter  
Books & Movies Feedback  
Menu \n  
*Enter 0 to exit"))
```

```
if ch==1:
```

```
    print()
```

```
print("*****  
*****")  
  
print(".....Entering into Harry Potter  
Characters Menu.....")  
  
print("*****  
*****")  
  
print()  
ch=input(" *Enter A to view the List of  
Harry Potter Characters \n  
*Enter B to Add a New  
Character \n  
*Enter C to Go to the Search  
Menu \n")  
  
if ch=="A" or ch=="a":  
    print()  
    print("*****  
*****")  
  
    print(".....The Characters of Harry  
Potter Universe !!.....")
```

```

        print("*****
                *****")

        print()
        showchar()
elif ch=="B" or ch=="b":
        print()
        print("*****
                *****")

        print(".....Add a New Character to
                our List. Input Data!.....")
        print("*****
                *****")

        print()
        addchar()
elif ch=="C" or ch=="c":
        print()
        print("*****")
        print("<< Entering into Search Menu
                >>")
        print("*****")
        print()

```



```
ch=int(input(" *Enter 101 to search
              on the basis of Blood
              Statuses \n
              *Enter 102 to search
              on the basis of
              Hogwarts Houses"))
```

```
if ch==101:
```

```
    print()
```

```
    print("*****
          *****")
```

```
    print(".....Opening Blood
          Status Search Menu.....")
```

```
    print("*****
          *****")
```

```
    print()
```

```
    bssearch()
```

```
elif ch==102:
```

```
    print()
```

```
    print("*****
          *****")
```

```
    print(".....Opening Hogwarts
          House Search Menu.....")
```

```

        print("*****
              *****")

        print()
        housesearch()
    else:
        print()
        print("$ $ *****
              ***** $ $")

        print("$ $ Please enter a valid
              choice $ $")

        print("$ $ *****
              ***** $ $")

        print()
    else:
        print()
        print("$ $ *****
              ***** $ $")

        print("$ $ Please enter a valid
              choice $ $")

        print("$ $ *****
              ***** $ $")

```

```
elif ch==2:
```

```
    print()
```

```
    print("*****  
          *****")
```

```
    print(".....Entering into Hogwarts  
          Houses' Menu.....")
```

```
    print("*****  
          *****")
```

```
    print()
```

```
    ch=input(" *Enter A to view the List of  
            Hogwarts Houses \n  
            *Enter B to view the List of  
            Hogwarts Students \n  
            *Enter C to Add a New  
            Student to a House")
```

```
if ch=="A" or ch=="a":
```

```
    print()
```

```
    print("*****  
          *****")
```

```
    print("<< The House Of Hogwarts  
          School of Witchcraft and Wizardry >>")
```

```

print("*****
*****")

print()
showhouse()
elif ch=="B" or ch=="b":
    print()
    print("*****
*****")

    print(".....The Students of
            Hogwarts School and their
            Houses.....")

    print("*****
*****")

    print()
    showstudent()
elif ch=="C" or ch=="c":
    print()
    print("*****
*****")

    print(".....Add a New Student to
            Hogwarts Houses.
            Input Data.....")

```

```

        print("*****
              *****")

        print()
        addhousemem()
    else:
        print()
        print("$ $ *****

              ** $ $")
        print("$ $Please enter a valid
              choice$ $")
        print("$ $ *****

              ** $ $")

        print()
elif ch==3:
    print()
    print("*****
          *****")
    print(".....Entering into Fantastic Beasts
          Book & Movie Catalog.....")
    print("*****
          *****")
    print()

```

```
ch=input("*Enter X to view Books and  
        Movies List \n  
        *Enter Y to go to the  
        Feedback-Review System \n")
```

```
if ch=="X" or ch=="x":
```

```
    print()
```

```
    print("*****  
          *****")
```

```
    print(".....Fantastic Beasts Books &  
          Movies.....")
```

```
    print("*****  
          *****")
```

```
    print()
```

```
    fbshow()
```

```
elif ch=="Y" or ch=="y":
```

```
    print()
```

```
    print("*****  
          *****")
```

```
    print(".....Entering into Feedback-  
          Review system.....")
```

```
    print("*****  
          *****")
```

```

print()
ch=input(" *Enter R to read Reviews
        \n *Enter I to input Feedback")
if ch=="R" or ch=="r":
    print()
    print("*****")
    print(".....Reviews List of Harry
          Potter Series.....")
    print("*****")
    print()
    fbreview()
elif ch=="I" or ch=="i":
    print()
    print("*****")
    print(".....Add a New Feedback
          to HP-Reviews List.
          Input Data.....")
    print("*****")

```

```

        print()
        fbfeedback()
    else:
        print()
        print("$ $ *****
                                     ***** $ $")
        print("$ $ Please enter a valid
                                     choice $ $")
        print("$ $ *****
                                     ***** $ $")

        print()
elif ch==4:
    print()
    print("*****
          *****")
    print(".....Entering into Harry Potter
          Books & Movie Catalog.....")
    print("*****
          *****")

    print()

```



```

ch=input(" *Enter X to view Books
          and Movies List \n
          *Enter Y to go to the
          Feedback-Review System \n")
if ch=="X" or ch=="x":
    print()
    print("*****")
    print(".....Harry Potter Books &
          Movies.....")
    print("*****")
    print()
    showbook()
elif ch=="Y" or ch=="y":
    print()
    print("*****")
    print(".....Entering into
          Feedback-Review
          system.....")

```

```

print("*****
*****")

print()

ch=input(" *Enter R to read
          Reviews \n
          *Enter I to input
          Feedback")

if ch=="R" or ch=="r":
    print()
    print("*****
*****")

    print(".....Reviews List of
          Harry Potter
          Series.....")

    print("*****
*****")

    print()
    review()

elif ch=="I" or ch=="i":
    print()
    print("*****
*****")

```

```

        print(".....Add a New
                Feedback to HP-Reviews
                List. Input Data.....")
        print("*****
                *****")

        print()
        feedback()
    else:
        print()
        print("$ $ *****
                ***** $ $")
        print("$ $ Please enter a
                valid choice $ $")
        print("$ $ *****
                ***** $ $")

        print()
    elif ch not in (0,1,2,3,4):
        print()
        print()
        print("$ $ ***** $ $")
        print("$ $ Please enter a valid choice $ $")

```

```
print("$ $ ***** $ $")
```

```
print()
```

```
print()
```