***SINGHANIA EDUCATIONAL INSTITUTE***

Computer Science

Practical File 2023-24

**Name:**

**Class: Section:**

**Roll no:**

**Under the Guidance of:**

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**PGT (COMPUTER SCIENCE)**

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***Introduction***

Since the introduction of computers, their popularity and use cases have both grown tremendously to the point that it is near-impossible to find a place where one or the other versions of a computer is not used, especially in places where transactions take place.

To that effect, I have made a project in which I use the concepts of MySQL connectivity to create an interactive, simple code for the sale of books. It allows the user to view, add into, delete from or update a table as well as search the database for particular products that they may want.

It also includes billing, which is without a doubt the most important aspect of code for commercial uses, along with billing it also automatically stores data in a “Customer

Table” for the purpose of keeping a record of the transaction taking place.

# CODE

import mysql.connector as m c=m.connect(user='root',host='localhost',passwd='root', db='project\_bookstore') d=c.cursor()

def create\_t1():

d.execute('create table if not exists Action\_and\_Adventure(Pid int(4), Pname varchar(200),qty int(5),price decimal(7.2))')

c.commit()

def create\_t2():

d.execute('create table if not exists Classics(Pid int(4), Pname varchar(200),qty int(5),price decimal(7.2))') c.commit()

def create\_t3():

d.execute('create table if not exists Detective\_Mystery(Pid int(4), Pname varchar(200),qty int(5),price decimal(7.2))')

c.commit()

def create\_t4():

d.execute('create table if not exists Fantasy(Pid int(4), Pname varchar(200),qty int(5),price decimal(7.2))') c.commit()

def create\_t5():

d.execute('create table if not exists Horror(Pid int(4), Pname varchar(200),qty int(5),price decimal(7.2))') c.commit()

def create\_t6():

d.execute('create table if not exists Romance(Pid int(4), Pname varchar(200),qty int(5),price decimal(7.2))') c.commit()

def create\_t7():

d.execute('create table if not exists Sci\_Fi(Pid int(4), Pname varchar(200),qty int(5),price decimal(7.2))') c.commit()

def create\_t8():

d.execute('create table if not exists Thrillers(Pid int(4), Pname varchar(200),qty int(5),price decimal(7.2))') c.commit()

def create\_t9():

d.execute('create table if not exists Biographies(Pid int(4), Pname varchar(200),qty int(5),price decimal(7.2))') c.commit()

def create\_t10():

d.execute('create table if not exists Poetry(Pid int(4), Pname varchar(200),qty int(5),price decimal(7.2))') c.commit()

def add\_r():

while True:

print(' ')

print('\t1 Add record to Action\_and\_Adventure database') print('\t2 Add record to Classics database')

print('\t3Add record to Detective\_Mystery database')

print('\t4 Add record to Fantasy database') print('\t5 Add record to Horror database') print('\t6 Add record to Romance database') print('\t7 Add record to Sci\_Fi database') print('\t8 Add record to Thrillers database') print('\t9 Add record to Biograhies database') print('\t10 Add record to Poetry database') print('\t11 Exit to menu')

print(' ')

ch=int(input('Enter choice'))

print(' ')

if ch==1:

create\_t1()

i=int(input('Enter Product Id')) n=input('Enter product name') q=int(input('Enter Product qty')) k=int(input('Enter Product Price'))

d.execute("insert into Action\_and\_Adventure values({},'{}',{},{})".format(i,n,q,k)) c.commit()

elif ch==2: create\_t2()

i=int(input('Enter Product Id')) n=input('Enter Product Name') q=int(input('Enter Product qty')) k=int(input('Enter Product Price'))

d.execute("insert into Classics values({},'{}',{},{})".format(i,n,q,k)) c.commit()

elif ch==3: create\_t3()

i=int(input('Enter Product Id')) n=input('Enter Product Name') q=int(input('Enter Product qty')) k=int(input('Enter Product Price'))

d.execute("insert into Detective\_Mystery values({},'{}',{},{})".format(i,n,q,k)) c.commit()

elif ch==4: create\_t4()

i=int(input('Enter Product Id')) n=input('Enter Product Name') q=int(input('Enter Product qty')) k=int(input('Enter Product Price'))

d.execute("insert into Fantasy values({},'{}',{},{})".format(i,n,q,k)) c.commit()

elif ch==5: create\_t5()

i=int(input('Enter Product Id')) n=input('Enter Product Name') q=int(input('Enter Product qty')) k=int(input('Enter Product Price'))

d.execute("insert into Horror values({},'{}',{},{},)".format(i,n,q,k)) c.commit()

elif ch==6: create\_t6()

i=int(input('Enter Product Id'))

n=input('Enter Product Name') q=int(input('Enter Product qty')) k=int(input('Enter Product Price'))

d.execute("insert into Romance values({},'{}',{},{})".format(i,n,q,k)) c.commit()

elif ch==7: create\_t7()

i=int(input('Enter Product Id')) n=input('Enter Product Name') q=int(input('Enter Product qty')) k=int(input('Enter Product Price'))

d.execute("insert into Sci\_Fi values({},'{}',{},{})".format(i,n,q,k)) c.commit()

elif ch==9: create\_t8()

i=int(input('Enter Product Id')) n=input('Enter Product Name') q=int(input('Enter Product qty')) k=int(input('Enter Product Price'))

d.execute("insert into Thrillers values({},'{}',{},{})".format(i,n,q,k)) c.commit()

elif ch==10: create\_t9()

i=int(input('Enter Product Id')) n=input('Enter Product Name') q=int(input('Enter Product qty')) k=int(input('Enter Product Price'))

d.execute("insert into Biographies values({},'{}',{},{})".format(i,n,q,k)) c.commit()

elif ch==10: create\_t12()

i=int(input('Enter Product Id')) n=input('Enter Product Name') q=int(input('Enter Product qty')) k=int(input('Enter Product Price'))

d.execute("insert into Poetry values({},'{}',{},{})".format(i,n,q,k)) c.commit()

elif ch==11: break

def delete\_r():

while True:

print(' ')

print('\t1 Delete record from Action\_and\_Adventure database') print('\t2 Delete record from Classics database')

print('\t3 Delete record from Detective\_Mystery database') print('\t4 Delete record from Fantasy database')

print('\t5 Delete record from Horror database') print('\t6 Delete record from Romance database') print('\t7 Delete record from Sci\_Fi database') print('\t8 Delete record from Thrillers database') print('\t9 Delete record from Biograhies database') print('\t10 Delete record from Poetry database') print('\t11 Exit to menu')

print(' ')

ch=int(input('Enter choice'))

print(' ')

if ch==1:

s=int(input('Enter Product Id to be deleted'))

d.execute('delete from Action\_and\_Adventure where Pid={}'.format(s)) c.commit()

elif ch==2:

s=int(input('Enter Product Id to be deleted')) d.execute('delete from Classics where Pid={}'.format(s)) c.commit()

elif ch==3:

s=int(input('Enter Product Id to be deleted'))

d.execute('delete from Detective\_Mystery where Pid={}'.format(s)) c.commit()

elif ch==4:

s=int(input('Enter Product Id to be deleted')) d.execute('delete from Fantasy where Pid={}'.format(s)) c.commit()

elif ch==5:

s=int(input('Enter Product Id to be deleted')) d.execute('delete from Horror where Pid={}'.format(s)) c.commit()

elif ch==6:

s=int(input('Enter Product Id to be deleted')) d.execute('delete from Romance where Pid={}'.format(s)) c.commit()

elif ch==7:

s=int(input('Enter Product Id to be deleted')) d.execute('delete from Sci\_Fi where Pid={}'.format(s)) c.commit()

elif ch==8:

s=int(input('Enter Product Id to be deleted')) d.execute('delete from Thrillers where Pid={}'.format(s)) c.commit()

elif ch==9:

s=int(input('Enter Product Id to be deleted')) d.execute('delete from Biograhies where Pid={}'.format(s)) c.commit()

elif ch==10:

s=int(input('Enter Product Id to be deleted')) d.execute('delete from Poetry where Pid={}'.format(s)) c.commit()

elif ch==11:

break

def disp\_all():

while True:

print(' ')

print('\t1 Display records from Action\_and\_Adventure table') print('\t2 Display records from Classics table')

print('\t3 Display records from Detective\_Mystery table') print('\t4 Display records from Fantasy table')

print('\t5 Delete records from Horror table')

print('\t6 Display records from Romance table') print('\t7 Display records from Sci\_Fi table') print('\t8 Display records from Thrillers table') print('\t9 Display records from Biograhies table') print('\t10 Display records from Poetry table') print('\t11 Exit to menu')

print(' ')

ch=int(input('Enter choice'))

print(' ')

if ch==1:

d.execute('select \* from Action\_and\_Adventure') print('%s%12s%20s%15s'%('id','productname','quantity','Price')) for i in d:

print('%s%12s%20s%15s'%(i[0],i[1],i[2],i[3]))

elif ch==2:

d.execute('select \* from Classics') print('%s%12s%20s%15s'%('id','productname','quantity','Price')) for i in d:

print('%s%12s%20s%15s'%(i[0],i[1],i[2],i[3]))

elif ch==3:

d.execute('select \* from Detective\_Mystery') print('%s%12s%20s%15s'%('id','productname','quantity','Price')) for i in d:

print('%s%12s%20s%15s'%(i[0],i[1],i[2],i[3]))

elif ch==4:

d.execute('select \* from Fantasy') print('%s%12s%20s%15s'%('id','productname','quantity','Price'))

for i in d: print('%s%12s%20s%15s'%(i[0],i[1],i[2],i[3]))

elif ch==5:

d.execute('select \* from Horror') print('%s%12s%20s%15s'%('id','productname','quantity','Price')) for i in d:

print('%s%12s%20s%15s'%(i[0],i[1],i[2],i[3]))

elif ch==6:

d.execute('select \* from Romance') print('%s%12s%20s%15s'%('id','productname','quantity','Price')) for i in d:

print('%s%12s%20s%15s'%(i[0],i[1],i[2],i[3]))

elif ch==7:

d.execute('select \* from Sci\_Fi') print('%s%12s%20s%15s'%('id','productname','quantity','Price')) for i in d:

print('%s%12s%20s%15s'%(i[0],i[1],i[2],i[3]))

elif ch==8:

d.execute('select \* from Thrillers') print('%s%12s%20s%15s'%('id','productname','quantity','Price')) for i in d:

print('%s%12s%20s%15s'%(i[0],i[1],i[2],i[3]))

elif ch==9:

d.execute('select \* from Biographies') print('%s%12s%20s%15s'%('id','productname','quantity','Price')) for i in d:

print('%s%12s%20s%15s'%(i[0],i[1],i[2],i[3]))

elif ch==10:

d.execute('select \* from Poetry') print('%s%12s%20s%15s'%('id','productname','quantity','Price')) for i in d:

print('%s%12s%20s%15s'%(i[0],i[1],i[2],i[3]))

elif ch==11:

break

def search\_r():

while True:

print(' ')

print('\t1 Search in Action\_and\_Adventure table') print('\t2 Search in Classics table')

print('\t3 Search in Detective\_Mystery table') print('\t4 Search in Fantasy table')

print('\t5 Search in Horror table') print('\t6 Search in Romance table') print('\t7 Search in Sci\_Fi table') print('\t8 Search in Thrillers table') print('\t9 Search in Biograhies table') print('\t10 Search in Poetry table') print('\t11 Exit to menu')

print(' ')

ch=int(input('Enter choice'))

print(' ')

if ch==1:

a=input('Enter Action\_and\_Adventure book to be searched for')

d.execute("select \* from Action\_and\_Adventure where Pname='{}'".format(a)) for i in d:

print(i) elif ch==2:

a=input('Enter Classics book to be searched for') d.execute("select \* from Classics where Pname='{}'".format(a)) for i in d:

print(i) elif ch==3:

a=input('Enter Detective\_Mystery book to be searched for') d.execute("select \* from Detective\_Mystery where Pname='{}'".format(a)) for i in d:

print(i) elif ch==4:

a=input('Enter Fantasy book to be searched for') d.execute("select \* from Fantasy where Pname='{}'".format(a)) for i in d:

print(i) elif ch==5:

a=input('Enter Horror book to be searched for') d.execute("select \* from Horror where Pname='{}'".format(a)) for i in d:

print(i) elif ch==6:

a=input('Enter Romance book to be searched for') d.execute("select \* from Romance where Pname='{}'".format(a)) for i in d:

print(i) elif ch==7:

a=input('Enter Sci\_Fi book to be searched for') d.execute("select \* from Sci\_Fi where Pname='{}'".format(a)) for i in d:

print(i) elif ch==8:

a=input('Enter Thrillers book to be searched for') d.execute("select \* from Thrillers where Pname='{}'".format(a)) for i in d:

print(i) elif ch==9:

a=input('Enter Biographies book to be searched for') d.execute("select \* from Biographies where Pname='{}'".format(a)) for i in d:

print(i) elif ch==10:

a=input('Enter Poetry book to be searched for') d.execute("select \* from Poetry where Pname='{}'".format(a)) for i in d:

print(i) elif ch==11:

break

def ggb(): x=''

gt=0

aa=0

while True:

print(' ')

print('\t1 Search in Action\_and\_Adventure table') print('\t2 Search in Classics table')

print('\t3 Search in Detective\_Mystery table') print('\t4 Search in Fantasy table')

print('\t5 Search in Horror table') print('\t6 Search in Romance table') print('\t7 Search in Sci\_Fi table') print('\t8 Search in Thrillers table') print('\t9 Search in Biograhies table') print('\t10 Search in Poetry table') print('\t11 Exit to menu')

print(' ')

ch=int(input('Enter choice'))

print(' ')

print('--------------------Action\_and\_Adventure Section ')

if ch==1:

d.execute('select \* from Action\_and\_Adventure') for i in d:

print('%s%12s%20s%15s'%(i[0],i[1],i[2],i[3]))

print(' ')

j=input('Enter Product Name')

d.execute("select \* from Action\_and\_Adventure where Pname='{}'".format(j)) print('%s%12s%20s%15s'%('id','productname','quantity','Price'))

for i in d:

print('%s%12s%20s%15s'%(i[0],i[1],i[2],i[3]))

p=i[3]

u=int(input('Enter the Quantity')) t=p\*u

print('price:',t) gt=gt+t aa=aa+u

kk=int(input('Want to purchase more? Press 1 if Yes, 2 if not')) if kk==2:

break x=x+''+j aa=aa+u

if ch==2:

print('Total is:',gt)

print(' Classics ') d.execute('select\* from Classics')

print('%s%12s%20s%15s'%('id','productname','quantity','Price')) for i in d:

print('%s%12s%20s%15s'%(i[0],i[1],i[2],i[3]))

print(' ')

g1=0

while True:

j1=input('Enter Product Name')

d.execute("Select \* from Classics where Pname='{}'".format(j1)) for i in d:

print('Price is:',i[3])

p=i[3]

u1=int(input('Enter the quantity')) t=p\*u1

print('Price:',t) g1=g1+t print('Total is',g1)

kk=int(input('Want to purchase more? Press 1 if Yes, 2 if not')) if kk==2:

break x=x+''+j1 aa=aa+u1

if ch==3:

print(' Detective\_Mystery ') d.execute('select\* from Detective\_Mystery') print('%s%12s%20s%15s'%('id','productname','quantity','Price')) for i in d:

print('%s%12s%20s%15s'%(i[0],i[1],i[2],i[3]))

print(' ')

g2=0

while True:

j2=input('Enter Product Name')

d.execute("Select \* from Detective\_Mystery where Pname='{}'".format(j1)) for i in d:

print('Price is:',i[3]) p=i[3]

u2=int(input('Enter the quantity'))

t=p\*u2 print('Price:',t) g2=g2+t print('Total is',g2)

kk=int(input('Want to purchase more? Press 1 if Yes, 2 if not')) if kk==2:

break x=x+''+j2 aa=aa+u2

if ch==4:

print(' Fantasy ') d.execute('select\* from Fantasy') print('%s%12s%20s%15s'%('id','productname','quantity','Price')) for i in d:

print('%s%12s%20s%15s'%(i[0],i[1],i[2],i[3]))

print(' ')

g3=0

while True:

j3=input('Enter Product Name')

d.execute("Select \* from Fantasy where Pname='{}'".format(j1)) for i in d:

print('Price is:',i[3]) p=i[3]

u3=int(input('Enter the quantity')) t=p\*u3

print('Price:',t)

g3=g3+t print('Total is',g3)

kk=int(input('Want to purchase more? Press 1 if Yes, 2 if not')) if kk==2:

break x=x+''+j3 aa=aa+u3

if ch==5:

print(' Horror ') d.execute('select\* from Horror')

print('%s%12s%20s%15s'%('id','productname','quantity','Price')) for i in d:

print('%s%12s%20s%15s'%(i[0],i[1],i[2],i[3]))

print(' ')

g4=0

while True:

j4=input('Enter Product Name')

d.execute("Select \* from Horror where Pname='{}'".format(j1)) for i in d:

print('Price is:',i[3]) p=i[3]

u4=int(input('Enter the quantity')) t=p\*u4

print('Price:',t) g4=g4+t print('Total is',g4)

kk=int(input('Want to purchase more? Press 1 if Yes, 2 if not')) if kk==2:

break x=x+''+j4 aa=aa+u4

if ch==6:

print(' Romance ') d.execute('select\* from Romance') print('%s%12s%20s%15s'%('id','productname','quantity','Price')) for i in d:

print('%s%12s%20s%15s'%(i[0],i[1],i[2],i[3]))

print(' ')

g5=0

while True:

j5=input('Enter Product Name')

d.execute("Select \* from Romance where Pname='{}'".format(j1)) for i in d:

print('Price is:',i[3]) p=i[3]

u5=int(input('Enter the quantity')) t=p\*u5

print('Price:',t) g5=g5+t print('Total is',g5)

kk=int(input('Want to purchase more? Press 1 if Yes, 2 if not')) if kk==2:

break x=x+''+j5 aa=aa+u5

if ch==7:

print(' Sci\_Fi ') d.execute('select\* from Sci\_Fi')

print('%s%12s%20s%15s'%('id','productname','quantity','Price')) for i in d:

print('%s%12s%20s%15s'%(i[0],i[1],i[2],i[3]))

print(' ')

g6=0

while True:

j6=input('Enter Product Name')

d.execute("Select \* from Sci\_Fi where Pname='{}'".format(j1)) for i in d:

print('Price is:',i[3]) p=i[3]

u6=int(input('Enter the quantity')) t=p\*u6

print('Price:',t) g6=g6+t print('Total is',g6)

kk=int(input('Want to purchase more? Press 1 if Yes, 2 if not')) if kk==2:

break

x=x+''+j6 aa=aa+u6

if ch==8:

print(' Thrillers ') d.execute('select\* from Thrillers') print('%s%12s%20s%15s'%('id','productname','quantity','Price')) for i in d:

print('%s%12s%20s%15s'%(i[0],i[1],i[2],i[3]))

print(' ')

g7=0

while True:

j7=input('Enter Product Name')

d.execute("Select \* from Thrillers where Pname='{}'".format(j1)) for i in d:

print('Price is:',i[3]) p=i[3]

u7=int(input('Enter the quantity')) t=p\*u7

print('Price:',t) g7=g7+t print('Total is',g7)

kk=int(input('Want to purchase more? Press 1 if Yes, 2 if not')) if kk==2:

break x=x+''+j7 aa=aa+u7

if ch==9:

print(' Biographies ') d.execute('select\* from Biographies') print('%s%12s%20s%15s'%('id','productname','quantity','Price')) for i in d:

print('%s%12s%20s%15s'%(i[0],i[1],i[2],i[3]))

print(' ')

g8=0

while True:

j8=input('Enter Product Name')

d.execute("Select \* from Biographies where Pname='{}'".format(j1)) for i in d:

print('Price is:',i[3]) p=i[3]

u8=int(input('Enter the quantity')) t=p\*u8

print('Price:',t) g8=g8+t print('Total is',g8)

kk=int(input('Want to purchase more? Press 1 if Yes, 2 if not')) if kk==2:

break x=x+''+j8 aa=aa+u8

if ch==10:

print(' Poetry ') d.execute('select\* from Poetry')

print('%s%12s%20s%15s'%('id','productname','quantity','Price')) for i in d:

print('%s%12s%20s%15s'%(i[0],i[1],i[2],i[3]))

print(' ')

g9=0

while True:

j9=input('Enter Product Name')

d.execute("Select \* from Poetry where Pname='{}'".format(j1)) for i in d:

print('Price is:',i[3]) p=i[3]

u9=int(input('Enter the quantity')) t=p\*u9

print('Price:',t) g9=g9+t print('Total is',g9)

kk=int(input('Want to purchase more? Press 1 if Yes, 2 if not')) if kk==2:

break x=x+''+j9 aa=aa+u9

ggt=gt+gt1+gt2+gt3+gt4+gt4+gt5+gt6+gt7+gt8+gt9

import math as n

ggt=m.floor(ggt) if ggt>500:

dis=ggt-ggt\*0.1

print('Final Amount after discount',dis) else:

print('Final Amount is',ggt) cp=int(input('Enter Customer Id')) pp=x

qty=aa gp=ggt

d.execute("insert into customer values({},'{}',{},{})".format(cp,pp,qty,gp)) c.commit

def update():

print(' ')

print('\t1 Search in Action\_and\_Adventure table') print('\t2 Search in Classics table')

print('\t3 Search in Detective\_Mystery table') print('\t4 Search in Fantasy table')

print('\t5 Search in Horror table') print('\t6 Search in Romance table') print('\t7 Search in Sci\_Fi table') print('\t8 Search in Thrillers table') print('\t9 Search in Biograhies table') print('\t10 Search in Poetry table') print('\t11 Exit to menu')

print(' ')

ch=int(input('Enter choice'))

print(' ')

if ch==1:

print(' ')

print('\t1 Update Price') print('\t2 Update Quantity') a=int(input('Enter choice'))

print(' ')

if a==1:

g=input('Enter Product Name') h=int(input('Enter Updated Price'))

d.execute('update Action\_and\_Adventure set price={} where Pname={}'.format(h,g)) c.commit()

elif a==2:

g=input('Enter Product Name') h=int(input('Enter Updated Quantity'))

d.execute('update Action\_and\_Adventure set qty={} where Pname={}'.format(h,g)) c.commit()

elif ch==2:

print(' ')

print('\t1 Update Price') print('\t2 Update Quantity') a=int(input('Enter choice'))

print(' ')

if a==1:

g=input('Enter Product Name')

h=int(input('Enter Updated Price'))

d.execute('update Classics set price={} where Pname={}'.format(h,g)) c.commit()

elif a==2:

g=input('Enter Product Name') h=int(input('Enter Updated Quantity'))

d.execute('update Classics set qty={} where Pname={}'.format(h,g)) c.commit()

elif ch==3:

print(' ')

print('\t1 Update Price') print('\t2 Update Quantity') a=int(input('Enter choice'))

print(' ')

if a==1:

g=input('Enter Product Name') h=int(input('Enter Updated Price'))

d.execute('update Detective\_Mystery set price={} where Pname={}'.format(h,g)) c.commit()

elif a==2:

g=input('Enter Product Name') h=int(input('Enter Updated Quantity'))

d.execute('update Detective\_Mystery set qty={} where Pname={}'.format(h,g)) c.commit()

elif ch==4:

print(' ')

print('\t1 Update Price') print('\t2 Update Quantity') a=int(input('Enter choice'))

print(' ')

if a==1:

g=input('Enter Product Name') h=int(input('Enter Updated Price'))

d.execute('update Fantasy set price={} where Pname={}'.format(h,g)) c.commit()

elif a==2:

g=input('Enter Product Name') h=int(input('Enter Updated Quantity'))

d.execute('update Fantasy set qty={} where Pname={}'.format(h,g)) c.commit()

elif ch==5:

print(' ')

print('\t1 Update Price') print('\t2 Update Quantity') a=int(input('Enter choice'))

print(' ')

if a==1:

g=input('Enter Product Name') h=int(input('Enter Updated Price'))

d.execute('update Horror set price={} where Pname={}'.format(h,g)) c.commit()

elif a==2:

g=input('Enter Product Name') h=int(input('Enter Updated Quantity'))

d.execute('update Horror set qty={} where Pname={}'.format(h,g)) c.commit()

elif ch==6:

print(' ')

print('\t1 Update Price') print('\t2 Update Quantity') a=int(input('Enter choice'))

print(' ')

if a==1:

g=input('Enter Product Name') h=int(input('Enter Updated Price'))

d.execute('update Romance set price={} where Pname={}'.format(h,g)) c.commit()

elif a==2:

g=input('Enter Product Name') h=int(input('Enter Updated Quantity'))

d.execute('update Romance set qty={} where Pname={}'.format(h,g)) c.commit()

elif ch==7:

print(' ')

print('\t1 Update Price') print('\t2 Update Quantity') a=int(input('Enter choice'))

print(' ')

if a==1:

g=input('Enter Product Name') h=int(input('Enter Updated Price'))

d.execute('update Sci\_Fi set price={} where Pname={}'.format(h,g)) c.commit()

elif a==2:

g=input('Enter Product Name') h=int(input('Enter Updated Quantity'))

d.execute('update Sci\_Fi set qty={} where Pname={}'.format(h,g)) c.commit()

elif ch==8:

print(' ')

print('\t1 Update Price') print('\t2 Update Quantity') a=int(input('Enter choice'))

print(' ')

if a==1:

g=input('Enter Product Name') h=int(input('Enter Updated Price'))

d.execute('update Thrillers set price={} where Pname={}'.format(h,g)) c.commit()

elif a==2:

g=input('Enter Product Name') h=int(input('Enter Updated Quantity'))

d.execute('update Thrillers set qty={} where Pname={}'.format(h,g)) c.commit()

elif ch==9:

print(' ')

print('\t1 Update Price') print('\t2 Update Quantity') a=int(input('Enter choice'))

print(' ')

if a==1:

g=input('Enter Product Name') h=int(input('Enter Updated Price'))

d.execute('update Biographies set price={} where Pname={}'.format(h,g)) c.commit()

elif a==2:

g=input('Enter Product Name') h=int(input('Enter Updated Quantity'))

d.execute('update Biographies Pname={}'.format(h,g)) c.commit()

elif ch==10:

print(' ')

print('\t1 Update Price') print('\t2 Update Quantity') a=int(input('Enter choice'))

print(' ')

if a==1:

g=input('Enter Product Name') h=int(input('Enter Updated Price'))

d.execute('update Poetry set price={} where Pname={}'.format(h,g)) c.commit()

elif a==2:

g=input('Enter Product Name') h=int(input('Enter Updated Quantity'))

d.execute('update Poetry set qty={} where Pname={}'.format(h,g)) c.commit()

elif ch==11:

return

while True:

print(' ')

print('1. Add a record') print('2. Delete a record') print('3. Display all Books') print('4. Search for Book') print('5. Billing')

print('6. Update')

print(' ')

ch=int(input('Enter choice'))

print(' ')

if ch==1: add\_r()

elif ch==2: delete\_r()

elif ch==3: disp\_all()

elif ch==4:

search\_r() elif ch==5:

ggb() elif ch==6:

update()

else:

print('Kindly enter valid a choice')

# OUTPUT

## Addition of Record

1. Add a record
2. Delete a record
3. Display all Books
4. Search for Book
5. Billing
6. Update

Enter choice1

* 1. Add record to Action\_and\_Adventure database
  2. Add record to Classics database
  3. Add record to Detective\_Mystery database
  4. Add record to Fantasy database
  5. Add record to Horror database
  6. Add record to Romance database
  7. Add record to Sci\_Fi database
  8. Add record to Thrillers database
  9. Add record to Biograhies database
  10. Add record to Poetry database
  11. Exit to menu

Enter choice1

Enter Product Id0001

Enter product nameLife of Pi Enter Product qty20

Enter Product Price720

## Deletion of Record

1. Add a record
2. Delete a record
3. Display all Books
4. Search for Book
5. Billing
6. Update

Enter choice2

* 1. Delete record from Action\_and\_Adventure database
  2. Delete record from Classics database
  3. Delete record from Detective\_Mystery database
  4. Delete record from Fantasy database
  5. Delete record from Horror database
  6. Delete record from Romance database
  7. Delete record from Sci\_Fi database
  8. Delete record from Thrillers database
  9. Delete record from Biograhies database
  10. Delete record from Poetry database
  11. Exit to menu

Enter choice2

Enter Product Id to be deleted003

## Displaying of Records

1. Add a record
2. Delete a record
3. Display all Books
4. Search for Book
5. Billing
6. Update

Enter choice3

* 1. Display records from Action\_and\_Adventure table
  2. Display records from Classics table
  3. Display records from Detective\_Mystery table
  4. Display records from Fantasy table
  5. Delete records from Horror table
  6. Display records from Romance table
  7. Display records from Sci\_Fi table
  8. Display records from Thrillers table
  9. Display records from Biograhies table
  10. Display records from Poetry table
  11. Exit to menu

Enter choice2

id productname quantity Price 1To Kill a Mockingbird 20 560

2Little Women 20 1840

## Searching a Record

1. Add a record
2. Delete a record
3. Display all Books
4. Search for Book
5. Billing
6. Update

Enter choice4

* 1. Search in Action\_and\_Adventure table
  2. Search in Classics table
  3. Search in Detective\_Mystery table
  4. Search in Fantasy table
  5. Search in Horror table
  6. Search in Romance table
  7. Search in Sci\_Fi table
  8. Search in Thrillers table
  9. Search in Biograhies table
  10. Search in Poetry table
  11. Exit to menu

Enter choice5

Enter Horror book to be searched forThe Haunting of Hill House

0002 ‘The Haunting of Hill House’ 20 960

## Billing

1. Add a record
2. Delete a record
3. Display all Books
4. Search for Book
5. Billing
6. Update

Enter choice5

* 1. Search in Action\_and\_Adventure table
  2. Search in Classics table
  3. Search in Detective\_Mystery table
  4. Search in Fantasy table
  5. Search in Horror table
  6. Search in Romance table
  7. Search in Sci\_Fi table
  8. Search in Thrillers table
  9. Search in Biograhies table
  10. Search in Poetry table
  11. Exit to menu

Enter choice1

--------------------Action\_and\_Adventure Section-------------------- 1 Life of Pi 20 720

2The Three Musketeers 20 1040

3The Call of the Wild 20 720

Enter Product NameLife of Pi

id productname quantity Price 1 Life of Pi 20 720

Enter the Quantity2 price: 1440

Want to purchase more? Press 1 if Yes, 2 if not2

1. Add a record
2. Delete a record
3. Display all Books
4. Search for Book
5. Billing
6. Update

Enter choice6

* 1. Search in Action\_and\_Adventure table
  2. Search in Classics table
  3. Search in Detective\_Mystery table
  4. Search in Fantasy table
  5. Search in Horror table
  6. Search in Romance table
  7. Search in Sci\_Fi table
  8. Search in Thrillers table
  9. Search in Biograhies table
  10. Search in Poetry table
  11. Exit to menu

Enter choice1

1. Update Price
2. Update Quantity Enter choice2

Enter Product NameLife of Pi Enter Updated Quantity18

**Bibliography**

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