**THE OXFORD SENIOR SECONDARY SCHOOL**



**ACADEMIC YEAR – 2020-2021**

**PROJECT REPORT ON**

**HOSPITALMANAGEMENT SYSTEM**

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**CLASS: XII**

**ROLL NO.: 1862615**

**SUBJECT: COMPUTER SCIENCE**

**SUB CODE: 083**

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I wish to thank my parents as well for their undivided support and interest who inspired me and encouraged me to go my own way, without whom I would be unable to complete my project.

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**Introduction:**

The project Hospital Management system includes registration of patients, storing their details into the system, and also computerized billing in the pharmacy, and labs. The software has the facility to give a unique id for every patient and stores the details of every patient and the staff automatically. It includes a search facility to know the current status of each room. User can search availability of a doctor and details of patient using the id .

The interface is very user-friendly. The data are well protected for personal use and makes the data processing very fast. Hospital Management System is powerful, flexible, and easy to use and is designed and developed to deliver real conceivable benefits to hospitals.

**Objective: -**

1)Define hospital

2)Recording information about the Patients that come.

3)Generating bills.

4)Recording information related to diagnosis given to Patients.

5)Keeping record of the Immunization provided to children/patients.

***CHOICES***

***ABOUT THE PROJECT***

**HOSPITAL MANAGEMENT SYSTEM**

**12. Search worker details**

**1. Create table doctors**

**2. Register doctor details**

**13. Update patient details**

**3. Show all the doctor details**

**14. Update doctor details**

**15. Update worker details**

**4. Create Table patient details**

**16. Delete doctor details**

**5. Register patients’ details**

**17. Delete patient details**

**6. Show all the patients’ details**

**18. Delete worker details**

**7. Create Table worker details**

**19. Bill details**

**20. Enter Charges of Patient** for Bill\_details'

**8. Register worker details**

**9. All the workers details**

**21. Show records of Bill**

**22. Delete bill details**

**11. Search patients’ details**

**10. Search doctor details**

Source code:

import mysql.connector as sql

conn=sql.connect(host='Localhost',user='root',passwd='abhinav',database='mysql')

if conn.is\_connected():

print("Successfully connected")

c1=conn.cursor()

print('-------------------------------------------------------------------')

print(" HOSPITAL MANAGEMENT SYSTEM")

print('-------------------------------------------------------------------')

print('1. About the project')

print('2. Create table doctor\_details')

print('3. Register Doctor Details')

print('4. All the doctor details')

print('5. Create Table patient\_details')

print('6. Register patients details')

print('7. All the patients details')

print('8. Create Table worker\_details')

print('9. Register worker details')

print('10. All the workers details')

print('11. Search doctor details')

print('12. Search patients details')

print('13. Search worker details')

print('14. Update patient details')

print('15. Update doctor details')

print('16. Update worker details')

print('17. Delete doctor details')

print('18. Delete patient details')

print('19. Delete worker details')

print('20. Bill\_details')

print('21. Enter Charges of Patient for Bill\_details')

print('22. Show records of Bill')

print('23. Delete bill details')

ans='y'

while ans.lower()=='y':

def about():

print('You are working HOSPITAL MANAGEMENT PROJECT. It has 23 options in it')

def create\_doctor\_details():

c1=conn.cursor()

c1.execute("create table doctor\_details(d\_id int, d\_name varchar(20),d\_age int,d\_department varchar(20),d\_phono int(10))")

print('table created')

def insert\_doctor\_details():

print('Enter Details of new doctor:')

d\_id=int(input('Enter ID of Doctor:'))

d\_name=input('Enter Doctor Name:')

d\_age=int(input("Enter age:"))

d\_department=input("Enter the department:")

d\_phono=int(input('Enter phone number:'))

sql\_insert= "insert into doctor\_details values({},'{}','{}','{}','{}')".format(d\_id,d\_name,d\_age,d\_department,d\_phono)

c1.execute(sql\_insert)

print('Registered new Doctor')

conn.commit()

def show\_records\_doctor\_details():

print('Create table for Doctors')

c1.execute("select \* from doctor\_details")

data=c1.fetchall()

for i in data:

print(i)

conn.commit()

print(data)

def create\_patient\_details():

print('Create table for Patients')

c1=conn.cursor()

c1.execute("create table patient\_details(p\_id int primary key , p\_name varchar(25) ,p\_age int(3),p\_problems varchar(40),p\_phono int)")

print('table created')

def insert\_patient\_details():

print('Enter New patient Information')

p\_id=int(input('Enter ID of Patient:'))

p\_name=input('Enter Patient Name:')

p\_age=int(input('Enter age:'))

p\_problems=input("Enter problem/disease")

p\_phono=int(input('Enter the phone number:'))

sql\_insert= "insert into patient\_details values({},'{}','{}','{}','{}')".format(p\_id,p\_name,p\_age,p\_problems,p\_phono)

c1.execute(sql\_insert)

print('SUCCESSFULLY REGISTERED')

conn.commit()

def show\_records\_patient\_details():

print('Create table for Patients')

c1.execute("select \* from patient\_details")

data=c1.fetchall()

for i in data:

print(i)

conn.commit()

print(data)

def create\_worker\_details():

print('Create table for Workers')

c1=conn.cursor()

c1.execute("create table worker\_details(w\_id int primary key ,w\_name varchar(25) ,w\_age int,w\_workname varchar(40),p\_phono int)")

print('Table created')

def insert\_worker\_details():

print('Enter New patient Information')

w\_id=int(input("Enter ID of the Worker:"))

w\_name=input('Enter Worker Name:')

w\_age=int(input('Enter the age:'))

w\_workname=input('Enter the type of work:')

w\_phono=int(input('Enter phone number :'))

sql\_insert= "insert into worker\_details values({},'{}','{}','{}','{}')".format(w\_id,w\_name,w\_age,w\_workname,w\_phono)

c1.execute(sql\_insert)

print('SUCCESSFULLY REGISTERED')

conn.commit()

def show\_records\_worker\_details():

print('Create table for Workers')

c1.execute("select \* from worker\_details")

data=c1.fetchall()

for i in data:

print(i)

conn.commit()

print(data)

def search\_doctor\_details():

ans='y'

while ans.lower()=='y':

d\_id= int(input("Search Doctor Record by entering ID :"))

query="select \* from doctor\_details where d\_id={}".format(d\_id)

c1.execute(query)

result = c1.fetchall()

if c1.rowcount==0:

print("Sorry ! d\_id not found")

else:

print("%10s"%"d\_id","%20s"%"d\_name","%10s"%"d\_age","%20s"%"d\_de partment","%10s"%"d\_phono")

for row in result :

print("%10s"%row[0],"%20s"%row[1],"%10s"%row[2],"%20s"%row[3],

"%10s"%row[4])

ans=input("SEARCH MORE (Y):")

def search\_patient\_details():

ans='y'

while ans.lower()=='y':

p\_id= int(input("Search Patients Record by entering ID :"))

query="select \* from patient\_details where p\_id={}".format(p\_id)

c1.execute(query)

result = c1.fetchall()

if c1.rowcount==0:

print("Sorry ! p\_id not found")

else:

print("%10s"%"p\_id","%20s"%"p\_name","%10s"%"p\_age","%20s"%"p\_problems","%10s"%"p\_phono")

for row in result :

print("%10s"%row[0],"%20s"%row[1],"%10s"%row[2],"%20s"%row[3],"%10s"%row[4])

ans=input("SEARCH MORE (Y):")

def search\_worker\_details():

ans='y'

while ans.lower()=='y':

w\_id= int(input("Search Workers Record by entering ID :"))

query="select \* from worker\_details where w\_id={}".format(w\_id)

c1.execute(query)

result = c1.fetchall()

if c1.rowcount==0:

print ("Sorry ! w\_id not found")

else:

print("%10s"%"w\_id","%20s"%"w\_name","%10s"%"w\_age","%20s"%"

w\_workname","%10s"%"w\_phono")

for row in result :

print("%10s"%row[0],"%20s"%row[1],"%10s"%row[2],"%20s"%row[3],

"%10s"%row[4])

ans=input("SEARCH MORE (Y):")

def update\_patient\_details():

ans='y'

choice='n'

while ans.lower()=='y':

p\_id=int(input("ENTER Patient ID TO UPDATE:"))

query="select \* from patient\_details where p\_id={}".format(p\_id)

c1.execute(query)

result=c1.fetchall()

if c1.rowcount==0:

print("Sorry! p\_id not found")

else:

print("%10s"%"p\_id","%20s"%"p\_name","%10s"%"p\_age",

"%20s"%"p\_problems","%10s"%"p\_phono")

for row in result:

print("%10s"%row[0],"%20s"%row[1],"%10s"%row[2],"%20s"%row[3],

"%10s"%row[4])

choice=input("\n##ARE YOU SURE TO UPDATE?[y]:")

if choice.lower()=='y':

print("==YOU CAN UPDATE ONLY PHONE NUMBER==")

d=int(input("ENTER NEW PHONE NUMBER="))

query="update patient\_details set p\_phono='{}' where p\_id=

{}".format(p\_id,d)

c1.execute(query)

conn.commit()

print("##RECORD UPDATED##")

else:

exit(0)

ans=input("UPDATE MORE[Y]:")

def update\_doctor\_details():

ans='y'

choice='n'

while ans.lower()=='y':

d\_id=int(input("ENTER Doctor ID TO UPDATE:"))

query="select \* from doctor\_details where d\_id={}".format(d\_id)

c1.execute(query)

result=c1.fetchall()

if c1.rowcount==0:

print("Sorry! d\_id not found")

else:

print("%10s"%"d\_id","%20s"%"d\_name","%10s"%"d\_age",

"%20s"%"d\_department","%10s"%"d\_phono")

for row in result:

print("%10s"%row[0],"%20s"%row[1],"%10s"%row[2],

"%20s"%row[3],"%9ss"%row[4])

choice=input("\n##ARE YOU SURE TO UPDATE?[y]:")

if choice.lower()=='y':

print("==YOU CAN UPDATE ONLY PHONE NUMBER

AND DEPARTMENT==")

d=int(input("ENTER NEW PHONE NUMBER="))

query="update doctor\_details set d\_phono='{}' where

d\_id= {}".format(d\_id,d)

c1.execute(query)

conn.commit()

print("##RECORD UPDATED##")

else:

exit(0)

ans=input("UPDATE MORE[Y]:")

def update\_worker\_details():

ans='y'

choice='n'

while ans.lower()=='y':

w\_id=int(input("ENTER Worker ID TO UPDATE:"))

query="select \* from worker\_details where w\_id={}".format(w\_id)

c1.execute(query)

result=c1.fetchall()

if c1.rowcount==0:

print("Sorry! w\_id not found")

else:

print("%10s"%"w\_id","%20s"%"w\_name","%10s"%"w\_age",

"%20s"%"w\_workname","%10s"%"w\_phono")

for row in result:

print("%10s"%row[0],"%20s"%row[1],"%10s"%row[2],

"%20s"%row[3],"%10s"%row[4])

choice=input("\n##ARE YOU SURE TO UPDATE?[y]:")

if choice.lower()=='y':

print("==YOU CAN UPDATE ONLY AGE==")

d=int(input("ENTER NEW AGE="))

query="update worker\_details set w\_age='{}' where

w\_id= {}".format(w\_id,d)

c1.execute(query)

conn.commit()

print("##RECORD UPDATED##")

else:

exit(0)

ans=input("UPDATE MORE[Y]:")

def delete\_doctor\_details():

ans='y'

while ans.lower()=='y':

d\_id = int(input("ENTER d\_id TO SEARCH :"))

query="select \* from doctor\_details where d\_id={}".format(d\_id)

c1.execute(query)

result = c1.fetchall()

if c1.rowcount==0:

print("Sorry ! d\_id not found")

else:

print("%10s"%"d\_id","%20s"%"d\_name","%10s"%"d\_age",

"%20s"%"d\_department","%10s"%"d\_phono")

for row in result :

print("%10s"%row[0],"%20s"%row[1],"%10s"%row[2],

"%20s"%row[3],"%10s"%row[4])

choice=input("\n## ARE YOU SURE TO DELETE??(Y):")

if choice.lower()=='y':

query="delete from doctor\_details where d\_id={}".format(d\_id)

c1.execute(query)

conn.commit()

print("=== RECORD DELETED SUCCESSFULLY! ===")

ans=input("DELETE MORE ?(Y):")

def delete\_patient\_details():

ans='y'

while ans.lower()=='y':

p\_id = int(input("ENTER p\_id TO SEARCH :"))

query="select \* from patient\_details where p\_id={}".format(p\_id)

c1.execute(query)

result = c1.fetchall()

if c1.rowcount==0:

print("Sorry ! p\_id not found")

else:

print("%10s"%"p\_id","%20s"%"p\_name","%10s"%"p\_age",

"%20s"%"p\_problems","%10s"%"p\_phono")

for row in result:

print("%10s"%row[0],"%20s"%row[1],"%10s"%row[2],

"%20s"%row[3],"%10s"%row[4])

choice=input("\n## ARE YOU SURE TO DELETE??(Y):")

if choice.lower()=='y':

query="delete from patient\_details where p\_id={}".format(p\_id)

c1.execute(query)

conn.commit()

print("=== RECORD DELETED SUCCESSFULLY! ===")

ans=input("DELETE MORE ?(Y):")

def delete\_worker\_details():

ans='y'

while ans.lower()=='y':

w\_id = int(input("ENTER w\_id TO SEARCH :"))

query="select \* from worker\_details where w\_id={}".format(w\_id)

c1.execute(query)

result = c1.fetchall()

if c1.rowcount==0:

print("Sorry ! w\_id not found")

else:

print("%10s"%"w\_id","%20s"%"w\_name","%10s"%"w\_age",

"%20s"%"w\_workname","%10s"%"w\_phono")

for row in result:

print("%10s"%row[0],"%20s"%row[1],"%10s"%row[2],

"%20s"%row[3],"%10s"%row[4])

choice=input("\n## ARE YOU SURE TO DELETE??(Y):")

if choice.lower()=='y':

query="delete from doctor\_details where d\_id={}".format(d\_id)

c1.execute(query)

conn.commit()

print("=== RECORD DELETED SUCCESSFULLY! ===")

ans=input("DELETE MORE ?(Y):")

def create\_bill\_details():

c1=conn.cursor()

c1.execute("create table bill\_details(p\_id int(5), p\_name varchar(25) primary key ,p\_age int(3),drvisit int(15),medicines int(15),room int(15))")

print('table created')

def insert\_bill\_details():

print('Enter Charges of patient in Bill')

p\_id=int(input('Enter Patient ID:'))

p\_name=input('Enter Patient Name:')

p\_age=int(input('Enter Age:'))

drvisit=int(input('Enter the fees of doctor visit:'))

medicines=int(input('Enter the cost of medicines:'))

room=int(input('Enter Room Charges:'))

sql\_insert= "insert into bill\_details values({},'{}','{}','{}','{}','{}')".format(p\_id,p\_name,p\_age,drvisit,medicines,room)

c1.execute(sql\_insert)

print("SUCCESSFULLY REGISTERED")

conn.commit()

def show\_records\_bill():

print('Create table for Records Bills')

c1.execute("select \* from bill\_details")

data=c1.fetchall()

for i in data:

print(i)

conn.commit()

print(data)

def delete\_bill\_details():

ans='y'

while ans.lower()=='y':

p\_id = int(input("ENTER p\_id TO SEARCH :"))

query="select \* from bill\_details where p\_id={}".format(p\_id)

c1.execute(query)

result = c1.fetchall()

if c1.rowcount==0:

print("Sorry ! p\_id not found")

else:

print("%10s"%"p\_id","%20s"%"p\_name","%10s"%"p\_age",  
 "%20s"%"drvisit","%20s"%"medicines","%20s"%"room")

for row in result:

print("%10s"%row[0],"%20s"%row[1],"%10s"%row[2],

"%20s"%row[3],"%20s"%row[4],"%20s"%row[5])

choice=input("\n## ARE YOU SURE TO DELETE??(Y):")

if choice.lower()=='y':

query="delete from bill\_details where p\_id={}".format(p\_id)

c1.execute(query)

conn.commit()

print("=== RECORD DELETED SUCCESSFULLY! ===")

ans=input("DELETE MORE ?(Y):")

opt=""

opt=int(input("enter your choice:"))

if opt==1:

about()

elif opt==2:

create\_doctor\_details()

elif opt==3:

insert\_doctor\_details()

elif opt==4:

show\_records\_doctor\_details()

elif opt==5:

create\_patient\_details()

elif opt==6:

insert\_patient\_details()

elif opt==7:

show\_records\_patient\_details()

elif opt==8:

create\_worker\_details()

elif opt==9:

insert\_worker\_details()

elif opt==10:

show\_records\_worker\_details()

elif opt==11:

search\_doctor\_details()

elif opt==12:

search\_patient\_details()

elif opt==13:

search\_worker\_details()

elif opt==14:

update\_patient\_details()

elif opt==15:

update\_doctor\_details()

elif opt==16:

update\_worker\_details()

elif opt==17:

delete\_doctor\_details()

elif opt==18:

delete\_patient\_details()

elif opt==19:

delete\_worker\_details()

elif opt==20:

create\_bill\_details()

elif opt==21:

insert\_bill\_details()

elif opt==22:

show\_records\_bill()

elif opt==23:

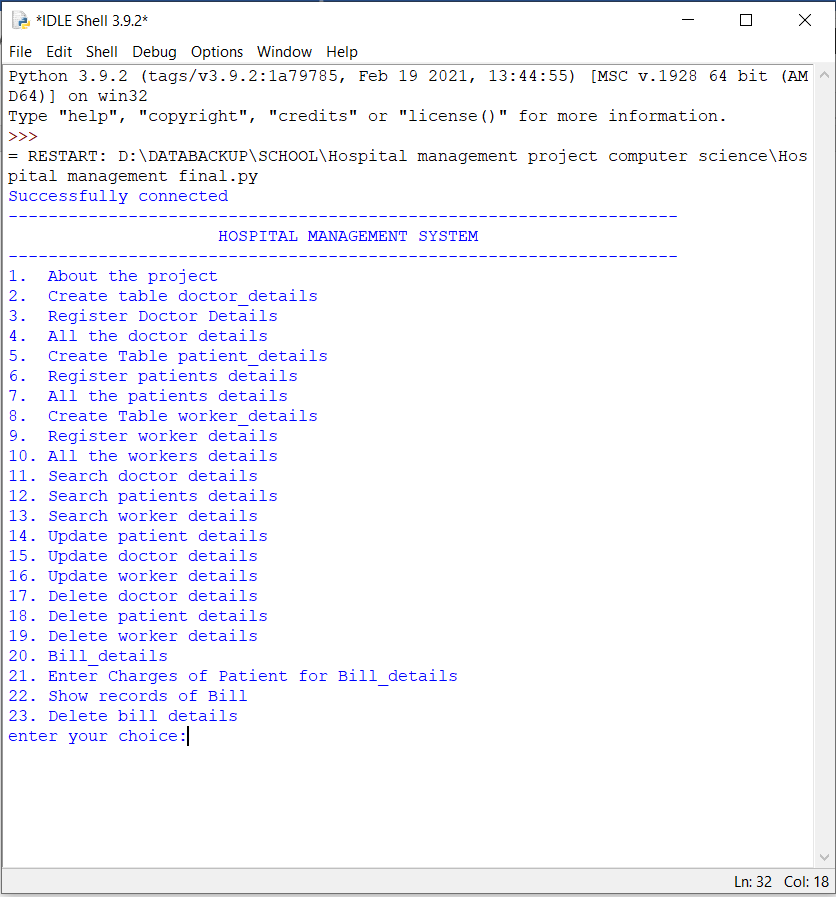
delete\_bill\_details()

else:

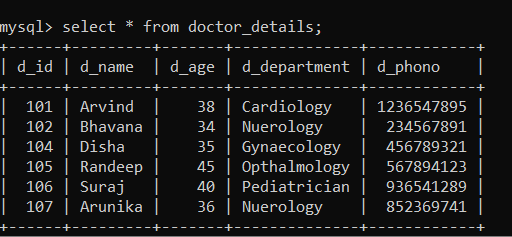
print('invalid option')

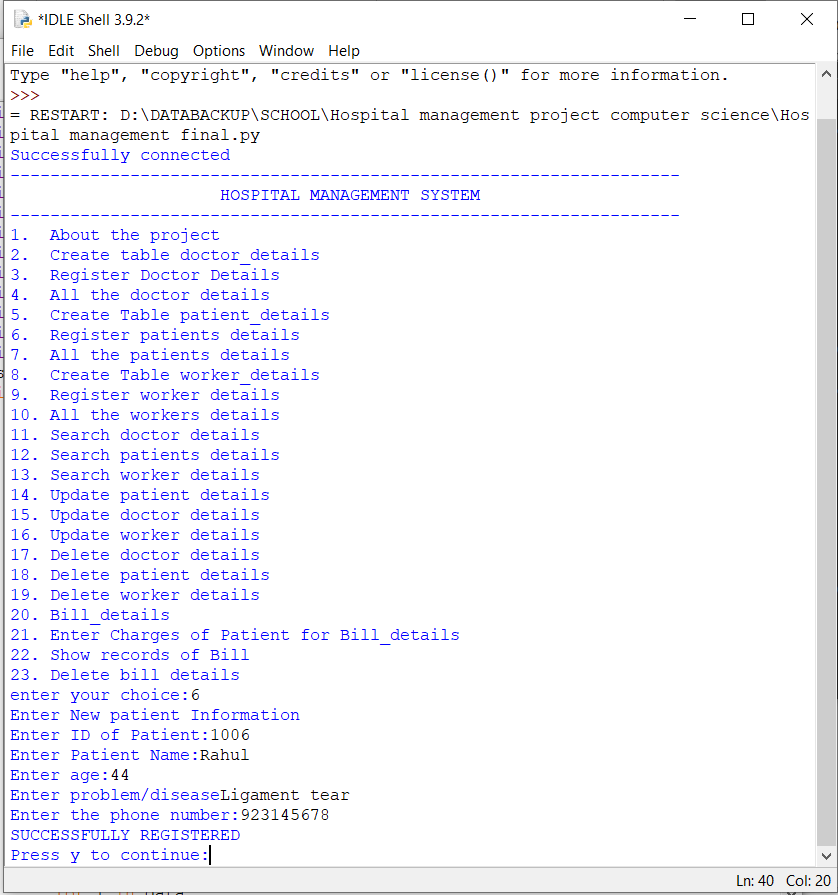
ans=input("Press y to continue:")

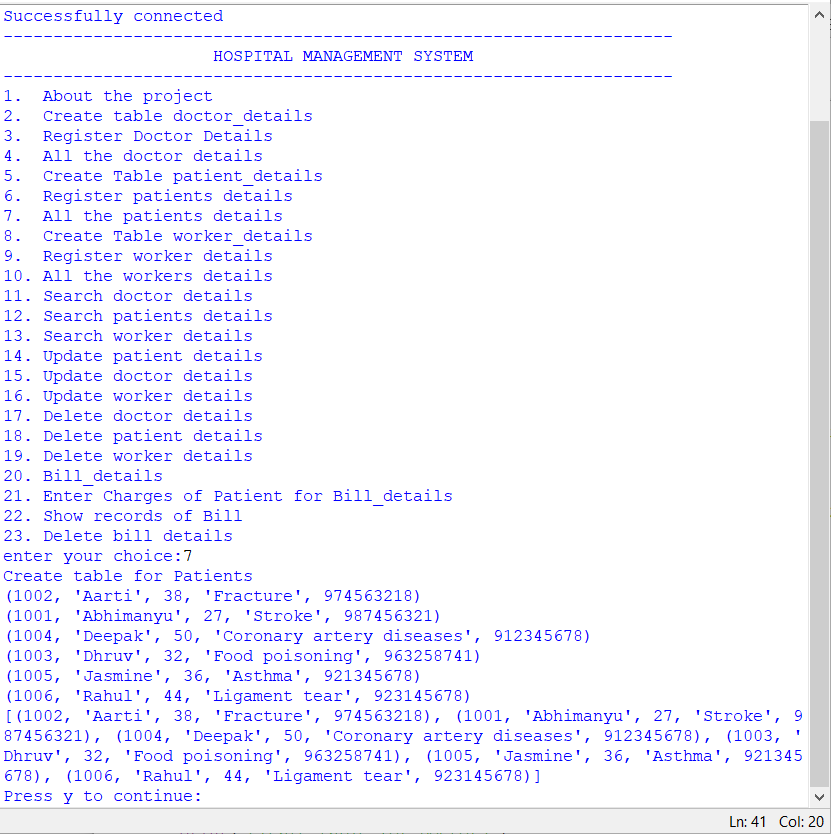
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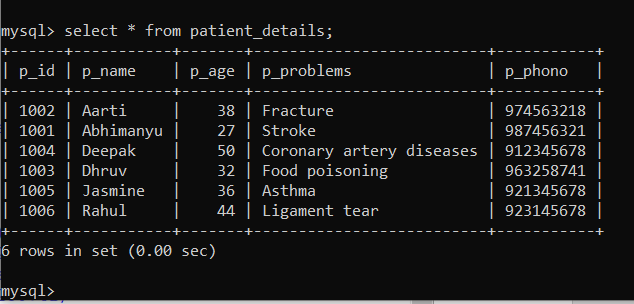


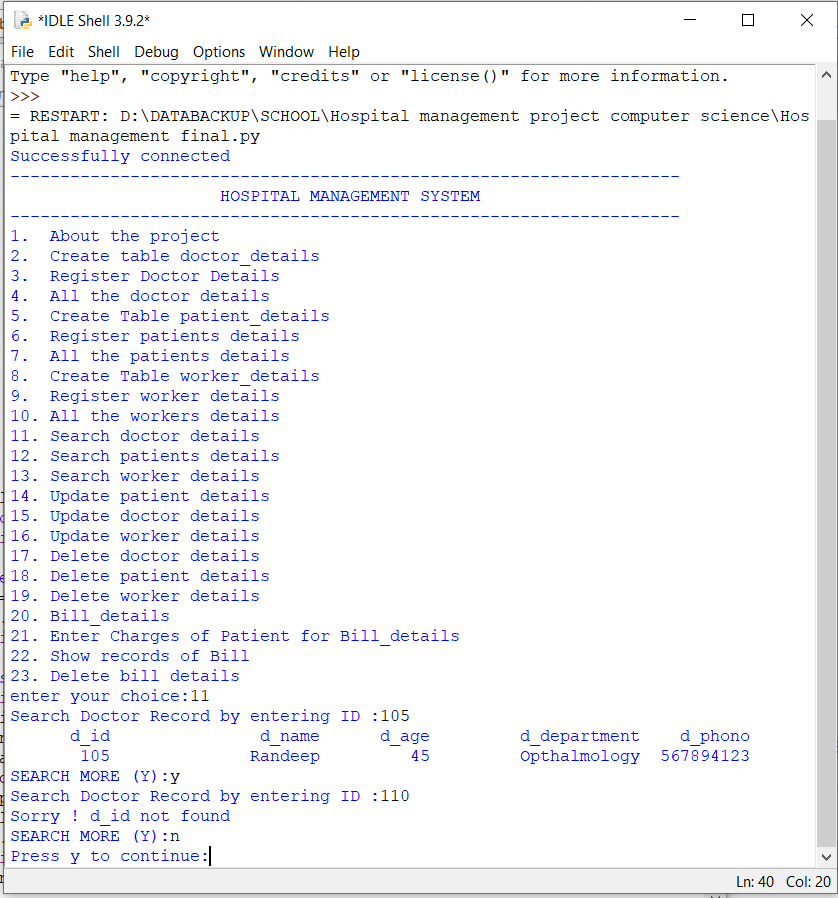


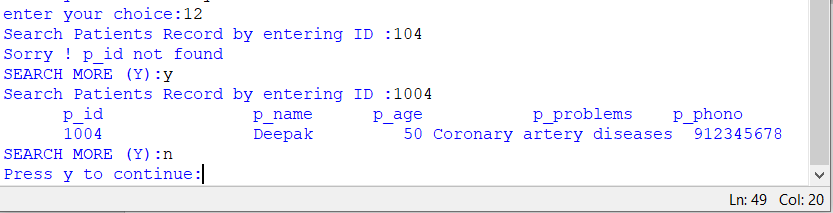


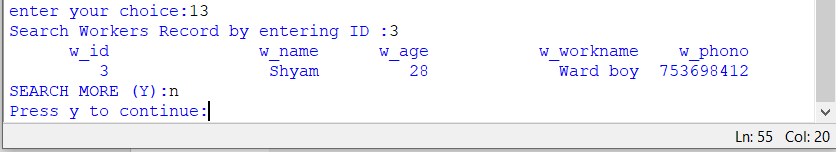


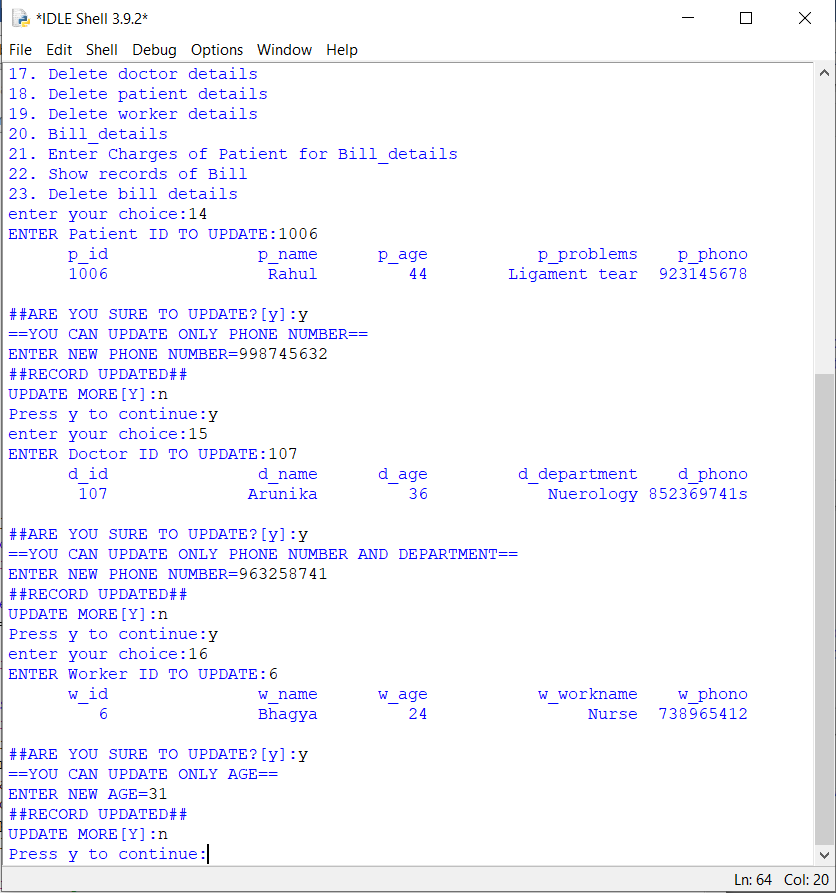


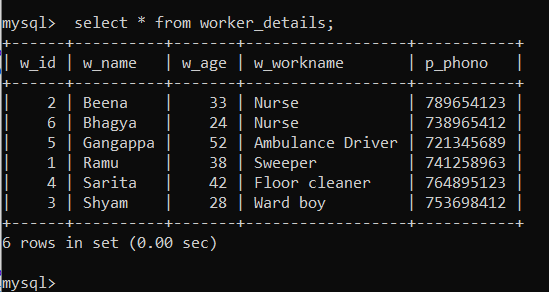


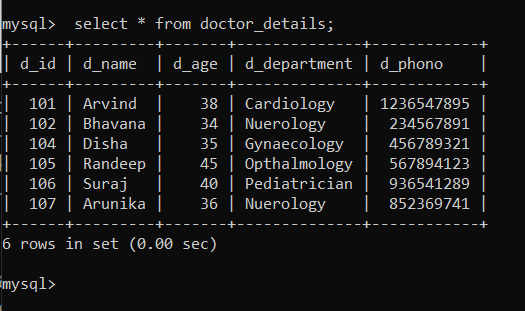


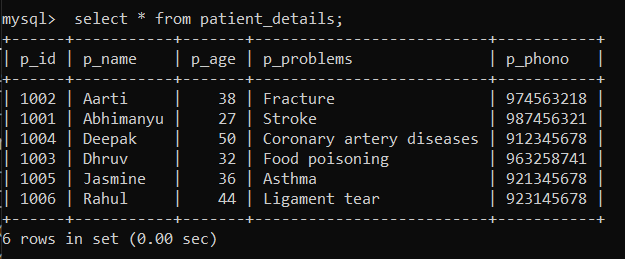


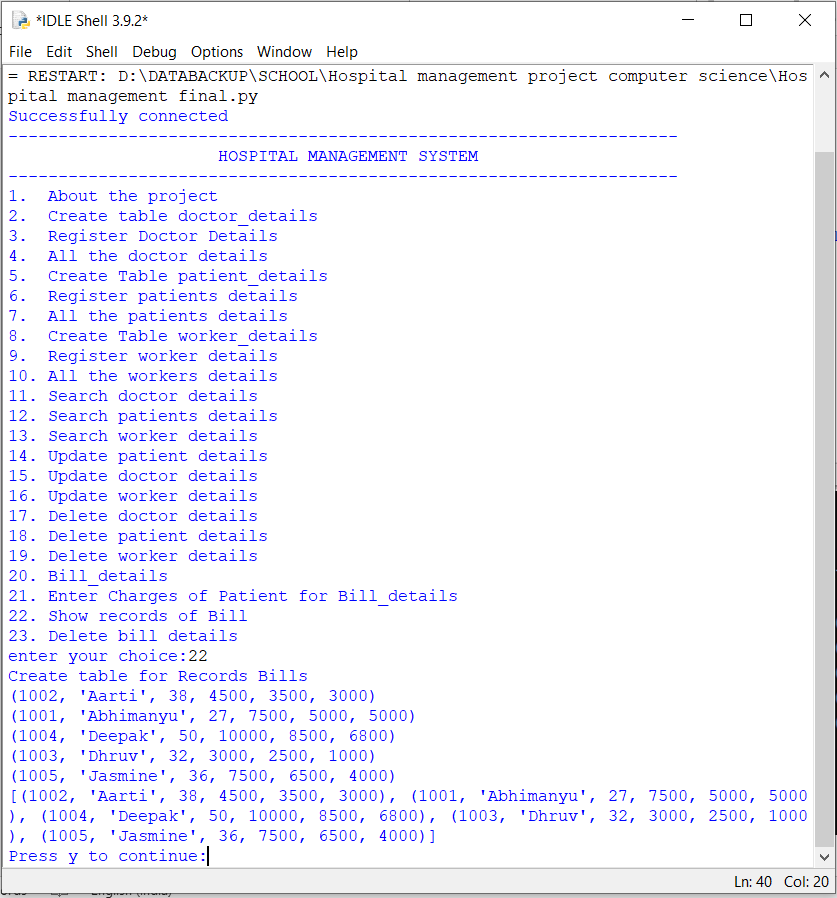


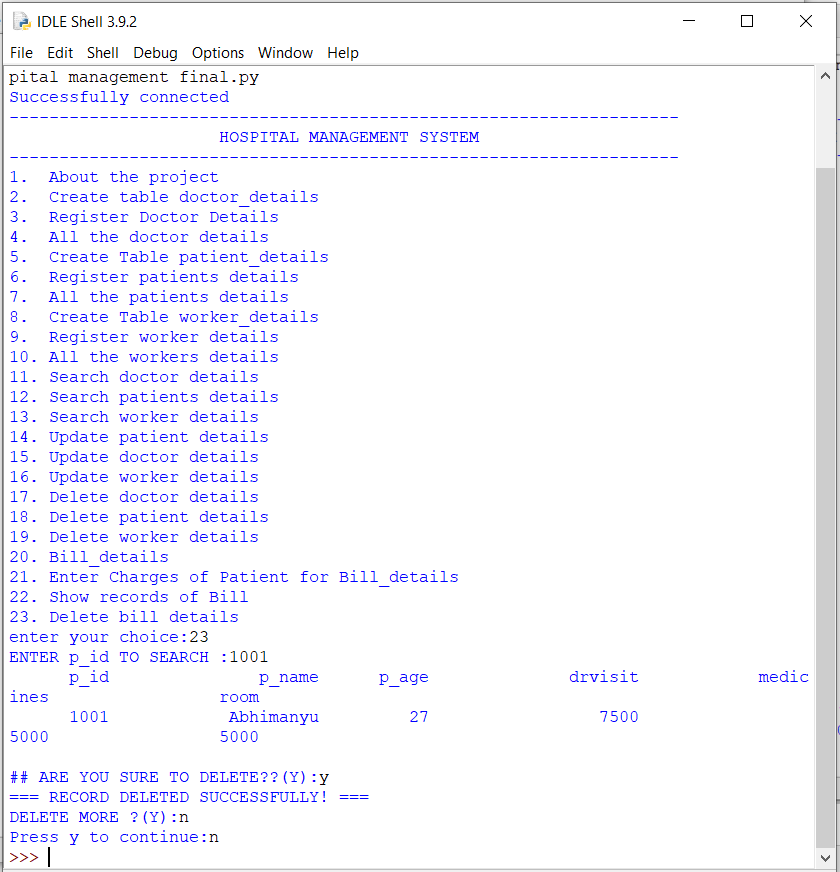


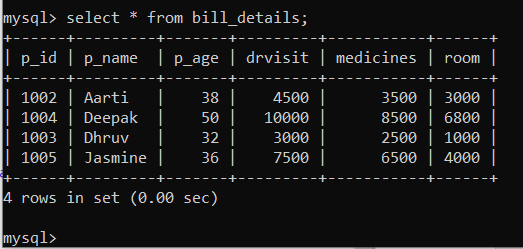












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