SOURCE CODE



print("\t\t\*\*\*\*\*\*LOVELY PUBLIC SR.SEC. SCHOOL\*\*\*\*\*\*") print("\t\t\*\*\*PD VIHAR\*\*\*")

print("\t\t\*\*\*\*\*\* BLOOD DONATION CAMP \*\*\*\*\*\*")

# connecting python with MYSQL import mysql.connector as con

mysql = con.connect(host="localhost", user="root", password="PHW#84#jeor")

cur = mysql.cursor()

# Creating a database "DONATION"

cur.execute("CREATE DATABASE IF NOT EXISTS DONATION;") print("""\t\t WELCOME TO 'BLOOD DONATION CAMP'

\t\tDatabase exists... You can proceed FURTHER!!""")

# Creating table "RECORD"

cur.execute("USE DONATION")

cur.execute("""CREATE TABLE IF NOT EXISTS record ( Date VARCHAR(50),

Name VARCHAR(20), Age INT,

Gender VARCHAR(2),

Blood\_group VARCHAR(3),

Unit INT,

m\_number INT)""")

# Adding entries to the table

cur.execute("USE DONATION;") print("START adding the entries:") while True:

d = input("Enter date of donation:")

n = input("Enter the name of donor:") a = int(input("Enter age of donor:"))

g = input("Enter gender (M/F):")

b = input("ENTER Blood group of the donor:") u = int(input("Enter total number of units")) m = int(input("Enter mobile number:"))

query = "INSERT INTO record VALUES ('%s','%s',%s,'%s','%s',%s,%s)"

% (d, n.title(), a, g.upper(), b, u, m) cur.execute(query)

mysql.commit()

ch = input("want to add more:(Y/N)") if ch.upper() == 'N':

break

print("Successfully added")

# ... (rest of the code remains unchanged)

# Program to view the table def table():

cur.execute("use DONATION;")

cur.execute("select\*from record;") data=cur.fetchall()

for i in data: print(i)

#Program to view()structure of table def view():

cur.execute("use DONATION;") cur.execute("Desc record;") print("Structure of the table...") for i in cur:

print(i)

#Program to review the table def name():

cur.execute(" use DONATION;") na=input(" Enter name to be searched:")

q="select\*from record where name='{}';".format(na,) cur.execute(q)

print("search complete!!") data=cur.fetchall()

for i in data:

print(i) def date():

cur.execute(" use DONATION;") da=input("Enter data to be searched:")

q="select\*from record where date='{}';".format(da,) cur.execute(q)

print("search completed!!") data=cur.fetchall()

for i in data: print(i)

def blood():

cur.execute("use DONATION;")

bg=input("Enter blood group to be searched:")

q="select\*from record where Blood\_group='{}';".format(bg,) cur.execute(q)

print("Search complete!!") data=cur.fetchall()

for i in data: print(i)

def review(): while True:

print("""Search by:- (1)Name

1. Date
2. Blood\_group""")

x=int(input("enter your choice or press '0' to come out")) if x==1:

name() elif x==2:

date() elif x==3:

blood() elif x==0:

break else:

print(" enter valid choice!!") break

# Program to add a new record def add():

cur.execute("use DONATION") while True:

d=input("Enter date of donation:") n=input("Enter the name of doner:") a=int(input("Enter age of doner:"))

g=input("Enter gender (M/F):") b=input("ENTER Blood group of the doner:") u=int(input("Enter total number of units")) m=int(input("Enter mobile number:"))

query="insert into record

values('%s','%s',%s,'%s','%s',%s,%s)"%(d,n.title(),a,g.upper(),b,u,m) cur.execute(query)

mysql.commit()

ch=input("want to add more:(Y/N)") if ch.upper()=='N':

break

print("\*\* Record added successfully\*\*") t=input(" Want to see update records?") if t.upper()!='N':

cur.execute("select\*from record;") data=cur.fetchall()

for i in data: print(i)

#Program to modify table def name1():

x=input("Enter Name that has to modify:") v=input("enter new name:")

cur.execute(" use DONATION;")

cur.execute("Update record set name='{}'where name='{}'".format(v,x))

mysql.commit()

print("Successfully changed!!")

t=input(" Want to see updated records?")

if t.upper()!='N':

cur.execute("select\*from records;") data=cur.fetchall()

for i in data: print(i)

def date1():

x=input("Enter Name where date has to modify:") v=input("Enter new date:")

cur.execute("use DONATION;")

query="update record set data='%s'where name='%s'"%(v,x) cur.execute(query)

mysql.commit()

print("Successfully changed!!") t=input("want to see updated records?") if t.upper()!='N':

cur.execute("select\*from record;") data=cur.fetchall()

for i in data: print(i)

def blood1():

x=input("Enter Name where blood group has to modify:") v=input("Enter new blood group:")

cur.execute("use DONATION;")

query="update record set Blood\_group='%s' where name='%s'"%(v,x)

cur.execute(query) mysql.commit()

print("Successfully changed!!") t=input("want to see updated records?") if t.upper()!='N':

cur.execute("select\*from record;") data=cur.fetchall()

for i in data: print(i)

def no():

x=input("Enter Name where unit has to modifty:") v=int(input("Enter new unit number:"))

cur.execute ("use DONATION;")

query="update record set Unit=%s where name-'%s'"%(v,x) cur.execute(query)

mysql.commit()

print("Successfully changed!!") t=input("want to see updated records?") if t.upper()!='N':

cur.execute("select\*from record;") data=cur.fetchall()

for i in data:

print(i) def mobile():

x=input("Enter Name where mobile number has to modify:") v=int(input("Enter new mobile number :"))

cur.execute(" use DONATION;")

query="update record set m\_number=%s where name='%s'"%(v,x) cur.execute(query)

mysql.commit()

print("Successfully changed!!") t=input("want to see updated records?") if t.upper()!='N':

cur.execute("select\*from record;") data=cur.fetchall()

for i in data: print(i)

def gender():

x=input("Enter Name where gender has to modify:") v=input("Enter update gender of the doner(M/F):") cur.execute(" use DONATION")

query="update record set Gender='%s' where name='%s'"%(v,x) cur.execute(query)

mysql.commit()

print("Successfully changed!!") t=input("want to see updated records?")

if t.upper()!='N':

cur.execute("select\*from record;") data=cur.fetchall()

for i in data: print(i)

def age():

x=input("Enter Name where gender has to modify:") v=int(input("Enter new age:"))

cur.execute("use DONATION;")

query="update record set Age=%s where name='%s'"%(v,x) cur.execute(query)

mysql.commit()

print("Successfully changed!!") t=input("want to see updated records?") if t.upper()!='N':

cur.execute("select\*from record;") data=cur.fetchall()

for i in data: print(i)

def modify(): while True:

print("""Modify:- (1)Name

1. Date
2. Blood group (4)Number of units (5)Mobile number (6)Gender

(7)Age""")

ch=int(input("Enter your choice or press'0'to come out:")) if ch==1:

name1() elif ch==2:

date1() elif ch==3:

blood1() elif ch==4:

no()

elif ch==5: mobile()

elif ch==6: gender()

elif ch==7: age()

elif ch==0: break

else:

print("Enter valid choice!!")

# Program to calculate total units of a single blood group def search2():

cur.execute(" use DONATION; ")

n=input("Enter blood group to be searched:") qu="select count(\*)from record where

Blood\_group='{}'".format(n,) cur.execute(qu) data=cur.fetchall()

for i in data: print(i)

#Program to delete a particular record def Del():

cur.execute("use DONATION;")

x=input("Enter name whose record has to be deleted:") query="delete from record where name='{}'".format(x,) cur.execute(query)

mysql.commit()

print("Successfully changed!!") t=input("want to see updated records?") if t.upper()!='N':

cur.execute("select\*from record;") data=cur.fetchall()

for i in data: print(i)

#Program to arrange the table def name2():

cur.execute(" use DONATION;")

cur.execute("select\*from record order by name;") print("Arrange Table...")

for i in cur: print(i)

def date3():

cur.execute(" use DONATION;")

cur.execute("select\*from record order by name;") print("Arrange Table...")

for i in cur: print(i)

def age1():

cur.execute(" use DONATION;")

cur.execute("select\*from record order by Age;") print("Arrange Table..")

for i in cur: print(i)

def arrange(): while True:

print("""Arrange by:-

1. Name
2. Date

(3) Age""")

ch=int(input("Enter your choice or press'0'to come out")) if ch==1:

name2() elif ch==2:

date3() elif ch==3:

age1()

elif ch==0: break

else:

print("Enter valid choice!!") #Program to count total number of rows def count():

cur.execute("use DONATION")

cur.execute("select count(\*) from record") print("Total number of records:-")

for i in cur: print(i)

# MENU to execute commands

print("\t\*\*\*\*\*\*\*CHOOSE THE SUTABLE OPTION\*\*\*\*\*\*\*\t") while True:

print("""(1)Show table (2)View structure of the table

1. Search a record (4)Add a record (5)MODIFY table

(6)Calculate total number of units (7)Delete a record

1. Arrange the table
2. Count total number of records (10)Exit""")

ch=int(input("Enter your choice:")) if ch==1:

table() elif ch==2:

view()

elif ch==3: review()

elif ch==4: add()

elif ch==5: modify()

elif ch==6: search2()

elif ch==7:

Del()

elif ch==8:

arrange() elif ch==9:

count()

elif ch==10: exit()

elif ch==0: break

else:

print("Enter valid choice!!")

x=input("Type'STOP' to come out the program. ")

if x.upper()=='STOP': break

else:

continue