

## CERTIFICATE

This is to certify that Student **Mudit Bidani** of class

**XII-F** has successfully completed the **Computer Science** project on the topic **COVID VACCINE DATABASE MANAGEMENT SYSTEM** under the guidance of Mrs. Gurjeet Kaur during the academic year 2021-22.

\_ INTERNAL EXAMINER PRINCIPAL

\_

DATE EXTERNAL EXAMINER

# ACKNOWLEGMENT

I would like to express my special thanks of gratitude to my teacher Mrs. Gurjeet Kaur as well as our principal Mrs. Vandana Chawla ma’am who gave me golden opportunity to do this project of **Computer Science**, which also helped me in doing a lot of research and I came to know new things about it. Without their help, guidance and support it would be impossible to complete this project.

Secondly, I would also like to thank my parents and friends who helped me a lot in finishing this project within limited time. I am making this project not only for marks but also to increase my knowledge.

Once again thanks to all who helped me in doing this project.

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TOPIC OF THE PROJECT Covid-19 Vaccine Database Management System

2021-22

Group members:

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2) Anish Murali

BACKGROUND OF THE

PROJECT

In today’s world, all the things have become computerized. Generally, the hospital works on paper work.

To register patient information, there is need of a lot paper work. So, this software is useful for making it easy to store records of people who took the vaccine. It registers the patient’s information such as- Aadhar no., patient name, age, gender, phone number.

Hence, this software makes easy work for both patient and hospital management.

FUNCTIONS AND MODULES

USED

# MODULES

### import mysql.connecter:

By importing this package, we are able to establish the connection between SQL and Python.

### import pyttsx3:

This package has functionality to generate voice from text.

### import stdiomask:

### This package has a function named getpass which allows text to be seen as asterisks(\*) as the user writes.

# FUNCTIONS

### connect():

This function establishes connection between Python and MySQL.

### cursor():

It is a special control structure that facilitates the row-by-row processing of records in the result set.

The syntax is:

<cursor object>=<connection object>.cursor()

### execute():

This function is use to execute the sql query and retrieve records using python.

The syntax is:

<cursor object>.execute(<sql query string>)

### fetchall():

This function will return all the rows from the result set in the form of a tuple containing the records.

### commit():

This function provides changes in the database physically.

FLOW OF THE

PROJECT

* Our project is based on COVID-19 VACCINE DATABASE MANAGEMENT SYSTEM. The project consists of 8 operations :

### CREATE DATABASE

* 1. **CREATE TABLE**

### ADD RECORDS IN THE TABLE

### SORT THE RECORDS

### VIEW RECORDS FROM THE TABLE

### EDIT RECORDS IN THE TABLE

### DELETE TABLE OR DATABASE

### EXIT

In the **CREATE DATABASE**, you can create a database by inputting name of the database you want.

In the **CREATE TABLE**, you can create many tables by inputting name of the table you want.

In the **ADD RECORDS IN THE TABLE**, you can enter the details of the person/patient in the table.

In the **SORT THE RECORDS**, you can sort the records in both increasing and decreasing order by any choice of detail.

In the **VIEW RECORDS FROM THE TABLE**, you can either view the whole table or search for a specific record with a specific detail of the person.

In the **EDIT RECORDS IN THE TABLE**, you can change the details of a person by inputting his/her Aadhar number and the detail you want to change.

In the **DELETE TABLE OR DATABASE**, you can delete either a single table or the whole database.

In the **EXIT**, you can exit the program and if the database is not deleted then you can delete it before exiting.

At last, program will display THANK YOU with giving a positive message i.e. ”STAY SAFE, STAY HEALTHY.” and “HEALTH IS WEALTH”.

USE OF

TECHNOLOGY



### WHAT IS MySQL?

MySQL is a relational DBMS that can run virtually all platforms, including Linux, Unix and Windows. Popular for web-based applications and online publishing, MySQL is a part of open-source enterprise stack LAMP (Linux, Apache, MySQL, PHP).

MySQL is a freely available open source RDBMS that uses Structured Query Language (SQL). It is down-loadable from site [www.mysql.org](http://www.mysql.org/) MySQL is fast, reliable, scalable alternative to many of the commercial RDBMs available today. MySQL provides you with a rich set of features that support a secure environment for storing, maintaining, and accessing data.

MySQL was created and supported by MySQL

AB, a company based in Sweden. This company is now a subsidiary of Sun Microsystems, which holds the copyright to most of the codebase. On April 20th, 2009 Oracle Corp., which develops and sells the proprietary Oracle database, announced a deal to acquire Sun Microsystems.

SQL provides many different types of commands used for different purposes. SQL commands can be divided into following categories:

1. Data Definition Language (DDL)
2. Data Manipulation Language (DML)
3. Transaction Control Language (TCL)
4. Session Control Commands
5. System Control Commands



### WHAT IS PYTHON?

Python is an interpreted, object-oriented, high-level programming language with dynamic semantics. Its high-level built in data structures, combined with dynamic typing and dynamic binding; make it very attractive for Rapid Application Development, as well as for use as a scripting or glue language to connect existing components together.

Python's simple, easy to learn syntax emphasizes readability and therefore reduces the cost of program maintenance. Python supports modules and packages, which encourages program modularity and code reuse. The Python interpreter and the extensive standard library are available in source or binary form without charge for all

major platforms, and can be freely

distributed.

Often, programmers fall in love with Python because of the increased productivity it provides. Debugging Python programs is easy: a bug or bad input will never cause a segmentation fault. Instead, when the interpreter discovers an error, it raises an exception. A source level debugger allows inspection of local and global variables, evaluation of arbitrary expressions, setting breakpoints, stepping through the code a line at a time, and so on. The debugger is written in Python itself, testifying to Python's introspective power. On the other hand, often the quickest way to debug a program is to add a few print statements to the source: the fast edit-test-debug cycle makes this simple approach very effective.

**HARDWARE AND SOFTWARE**

**REQUIREMENT**

### SYSTEM:

OS- Windows 7 Professional 32-Bit (6.1, Build 7601)

Language: English

System Manufacture-Gigabyte Technology Co., Ltd

BIOS:-BIOS Date: 08/03/13 09:45:07 Ver: 04.06.05

Processor:- Intel (R) Core ™ i3-3220CPU @3.30 GHz (4CPUs), ~3.3GHz

Memory: 2048 MB RAM DirectX Version: Direct XII

### DISPLAY DEVICE:

Name:-Intel(R) HD Graphics Manufacturer: - Gigabyte Technology Co., Ltd

Chip Type: - Intel(R) HD Graphics Family DAC Type:-Internal

Approx. Total Memory:-775 MB Current Display mode: - 1336 X 768 (32 Bit)(60Hz)

Monitor:- Generic PnP Monitor

### DRIVER:

Main Driver: - igdumdim 32.dll,igd loiumd 32.dll,igd lo

Version:-10.18.10.3345

Date:-10/28/13 WHQL logo’s:- Yes DDI Version: II

Driver Model:-WDDM 1.1

CODE

import mysql.connector

import pyttsx3

from stdiomask import getpass

import time, sys

LD=[]

def loading():

a9 = "Loading..."

f = "\033[1m" + a9 + "\033[0m"

print(f)

for i in range(0, 100):

time.sleep(0.02)

sys.stdout.write(u"\u001b[1000D" + str(i + 1) + "%")

sys.stdout.flush()

print()

def num():

a = input("To perform the operation write the number associated with the Topic:")

return a

def caps(a):

a = a.upper()

return a

def agen():

while True:

try:

ad = input("Enter the Age:")

if int(ad) >= 15 and int(ad) <= 105:

break

else:

print()

print("Enter a valid age for Vaccination")

print()

except:

print()

print("Enter a valid age for Vaccination")

print()

return ad

def aapkaaadhaaraapkipehchaan():

while True:

ad = input("Enter the Aadhaar Number:")

if len(ad) == 12:

break

else:

print()

print("Please enter a valid Aadhaar Number")

print()

caps(ad)

return ad

def aadhaar2(field):

while True:

ad = input(

"Enter the Aadhaar Number of the person whose "

+ field

+ " is to be updated:"

)

if len(ad) == 12:

print()

break

else:

print()

print("Please enter a valid Aadhaar Number")

print()

caps(ad)

return ad

def phonen():

while True:

ph = input("Enter the Phone Number:")

if len(ph) == 10:

print()

break

else:

print()

print("Please enter a valid Phone Number")

print()

caps(ph)

return ph

def daten():

while True:

try:

dhat = input("Enter the Date of Vaccination (YYYY-MM-DD):")

if len(dhat) == 10 and dhat[4] == "-" and dhat[7] == "-":

if int(dhat[0:4]) >= 2020 and int(dhat[0:4]) <= 2022:

if int(dhat[5:7]) >= 1 and int(dhat[5:7]) <= 12:

if len(dhat[8:]) == 2:

if int(dhat[8:]) >= 1 and int(dhat[8:]) <= 31:

print()

break

else:

print()

print("Please enter a valid Date")

print()

else:

print()

print("Please enter a valid Date")

print()

else:

print()

print("Please enter a valid Date")

print()

else:

print()

print("Please enter a valid Date")

print()

else:

print()

print("Please enter a valid Date")

print()

except:

print()

print("Please enter a valid Date")

print()

caps(dhat)

return dhat

def doseren():

print()

print("Choose from the Following:")

print("1. 1st Dose")

print("2. 2nd Dose")

print("3. Booster Dose")

abc = "y"

while abc == "y":

while True:

try:

x = input("To choose the Dose write the number associated with it:")

y = int(x)

break

except:

print("The input is wrong. Please try Again.")

print(" ")

if y > 0 and y < 4:

abc = "n"

break

else:

print("The input is wrong. Please try Again.")

print(" ")

abc = "y"

if y == 1:

return "FIRST"

elif y == 2:

return "SECOND"

elif y == 3:

return "BOOSTER"

def doseren2():

print()

print("Choose from the Following:")

print("1. 1st Dose")

print("2. 2nd Dose")

print("3. Booster Dose")

abc = "y"

while abc == "y":

while True:

try:

x = input("To update the Dose choose the number associated with it:")

y = int(x)

break

except:

print("The input is wrong. Please try Again.")

print(" ")

if y > 0 and y < 4:

abc = "n"

break

else:

print("The input is wrong. Please try Again.")

print(" ")

abc = "y"

if y == 1:

return "FIRST"

elif y == 2:

return "SECOND"

elif y == 3:

return "BOOSTER"

def vaccinen():

print("Choose from the Following:")

print("1. Sputnik")

print("2. Covaxin")

print("3. Covishield")

abc = "y"

while abc == "y":

while True:

try:

x = input("To choose the Vaccine write the number associated with it:")

y = int(x)

break

except:

print("The input is wrong. Please try Again.")

print(" ")

if y > 0 and y < 4:

abc = "n"

break

else:

print("The input is wrong. Please try Again.")

print(" ")

abc = "y"

if y == 1:

return "SPUTNIK"

elif y == 2:

return "COVAXIN"

elif y == 3:

return "COVISHIELD"

def ask():

a = input("Do you want to add another record (y/n):")

answer = a.lower()[0]

return answer

def ask2():

a = input("Do you want to update another record (y/n):")

answer = a.lower()[0]

return answer

def ask3():

a = input("Do you want to see another record (y/n):")

answer = a.lower()[0]

return answer

def seldb():

query = "use " + database + ";"

cursor.execute(query)

print("Database Selected.")

print()

def seltb():

L2 = []

cursor.execute("show tables;")

print("You have the following Tables:")

for x in cursor:

L2.append(x)

for i in range(1, len(L2) + 1):

print(i, L2[i - 1][0])

print()

ab = "y"

while ab == "y":

try:

tbname = int(

input(

"Which table would you like to choose (Enter the number associated):"

)

)

tbname2 = tbname

if tbname > 0 and tbname <= len(L2):

ab = "n"

break

else:

print("There is some error. Please try Again.")

print()

ab = "y"

except:

print("There is some error. Please try Again.")

print(" ")

ab = "y"

print()

return L2[tbname - 1][0]

def seltb2():

L2 = []

cursor.execute("show tables;")

print("You have the following Tables:")

for x in cursor:

L2.append(x)

tuple=("covid\_vaccine\_database",)

L2.remove(tuple)

if len(L2)==0:

return "You can't delete the default table."

else:

for i in range(1, len(L2) + 1):

print(i, L2[i - 1][0])

print()

ab = "y"

while ab == "y":

try:

tbname = int(

input(

"Which table would you like to choose (Enter the number associated):"

)

)

tbname2 = tbname

if tbname > 0 and tbname <= len(L2):

ab = "n"

break

else:

print("There is some error. Please try Again.")

print()

ab = "y"

except:

print("There is some error. Please try Again.")

print(" ")

ab = "y"

print()

return L2[tbname - 1][0]

def edit(a):

a = str(a)

loading()

engine = pyttsx3.init()

engine.setProperty("rate", 165)

engine.say(

"we present to you our project on covid 19 vaccine database management system made by Anish Murali and Mudit Biedaani"

)

engine.runAndWait()

database2 = "PYTHON ROCKZ LOLZ"

print(" ")

print(" ")

print(" " \* 45 + "\*" \* 70)

print(" " \* 70 + "COMPUTER SCIENCE")

print(" " \* 75 + "PROJECT")

print(" " \* 58 + "COVID VACCINE DATABASE MANAGEMENT SYSTEM")

print(" " \* 61 + "(BY MUDIT BIDANI AND ANISH MURALI)")

print(" " \* 45 + "\*" \* 70)

print(" ")

print(" ")

engine.setProperty("rate", 145)

engine.say("please enter the credentials so that we can connect to your database")

engine.runAndWait()

while True:

try:

username = input("Enter your mysql username: ")

password = getpass(prompt="Enter your mysql password: ")

password = str(password)

db = mysql.connector.connect(

host="localhost", port="3307", user=username, passwd=password

)

cursor = db.cursor()

engine.say(

"Thank you for entering the credentials. we are now connected to your mysql database. Here are the following operations"

)

engine.runAndWait()

break

except:

engine.setProperty("rate", 145)

engine.say(

"the credentials entered are wrong. we are not connected to your mysql database. please try again"

)

engine.runAndWait()

print("The Login Credentials are Wrong. Please try Again")

print(" ")

ans = "y"

while ans == "y":

print(" ")

print("~" \* 78)

print("Here are the operations that you can use")

print("~" \* 78)

print(" ")

print("You can do the following operations:")

print("1. Create Database")

print("2. Choose Another Database")

print("3. Create Table")

print("4. Add records in the Table")

print("5. Sort the Records and View")

print("6. View Records from the Table")

print("7. Edit records in the Table")

print("8. Delete Table/Database")

print("9. Exit")

abc = "y"

while abc == "y":

while True:

try:

x = num()

y = int(x)

break

except:

print("The input is wrong. Please try Again.")

print(" ")

if y > 0 and y <= 9:

ans = "n"

break

else:

print("The input is wrong. Please try Again.")

print(" ")

ans = "y"

print("\_" \* 78)

print(" ")

if y == 1:

try:

dbname = input("Enter the name of Database you would like to create:")

caps(dbname)

global database

database = dbname

database2 = database

dbname2 = dbname

dbname3 = "create database " + dbname + ";"

cursor.execute(dbname3)

print("Database", dbname2, "created successfully.")

print()

com = "use " + dbname2 + ";"

cursor.execute(com)

print()

tbname = "Covid\_Vaccine\_Database"

tbname2 = tbname

s = "Name varchar(100) ,Age integer ,Gender varchar(6) ,Aadhar\_Number varchar(12) ,Phone\_Number varchar(12) ,Vaccine varchar(20) ,Dose varchar(8) ,Date date"

command = "create table " + tbname + "(" + s + ");"

cursor.execute(command)

print("Table Covid Vaccine Database Created Successfully.")

print()

myfile=open("Databases.txt","a")

myfile.write(database2.lower() + "\n")

myfile.close()

except:

print("There is some error. The Database already exists.")

print(" ")

elif y==2:

LDB2=[]

myfile=open("Databases.txt","a+")

myfile.seek(0)

xb=myfile.read()

datahoohoo=xb.split()

if len(datahoohoo)==0:

print("Please Create a Database First")

print()

ans = "y"

else:

print("You have the following Databases:")

for x in datahoohoo:

LDB2.append(x)

for i in range(1, len(LDB2) + 1):

print(i, LDB2[i - 1])

print()

ab = "y"

while ab == "y":

try:

tbnamex = int(

input(

"Which Database would you like to choose (Enter the number associated):"

)

)

tbnamex2 = tbnamex

if tbnamex > 0 and tbnamex <= len(LDB2):

ab = "n"

break

else:

print("There is some error. Please try Again.")

print()

ab = "y"

except:

print("There is some error. Please try Again.")

print(" ")

ab = "y"

print()

database=LDB2[tbnamex - 1]

database2=database

myfile.close()

else:

if database2 == "PYTHON ROCKZ LOLZ":

print("Please Create or Choose a Database First")

print()

ans = "y"

else:

if y == 8:

abcd = "y"

while abcd == "y":

s = input("Do you want to delete a Database or a Table :")

s = s.lower()

if s == "database" or s == "table":

abcd = "n"

break

else:

print(

"Please write either database or table in the input. Try Again."

)

print()

abcd = "y"

if s == "database":

query = "drop database " + database + ";"

cursor.execute(query)

print("Database Deleted.")

myfile=open("Databases.txt","r")

myfile.seek(0)

ass=myfile.read()

LD=ass.split()

LD.remove(database)

myfile.close()

myfile=open("Databases.txt","w")

for j in LD:

myfile.write(j+"\n")

myfile.close()

LD=[]

database2 = "PYTHON ROCKZ LOLZ"

else:

seldb()

tbname = seltb2()

if tbname=="You can't delete the default table.":

print(tbname)

else:

command = "drop table " + tbname + ";"

cursor.execute(command)

print("Table Deleted.")

print()

elif y == 3:

seldb()

while True:

try:

tbname = input(

"Enter the name of the table you would like to create: "

)

caps(tbname)

tbname2 = tbname

s = "Name varchar(100) ,Age integer ,Gender varchar(6) ,Aadhar\_Number varchar(12) ,Phone\_Number varchar(12) ,Vaccine varchar(20) ,Dose varchar(8) ,Date date"

command = "create table " + tbname + "(" + s + ");"

cursor.execute(command)

break

except:

print("There is some error. Please try Again.")

print(" ")

print("Table " + tbname + " Created Successfully.")

print()

elif y == 6:

seldb()

tbname = seltb()

print()

engine.say(

"You have the following options to view Records from the Table. Which one do you want to choose"

)

engine.runAndWait()

print("You have the following options to search Values from the Table:")

print("1. Print All Records")

print("2. Print Full Record of a Specific Detail")

cba = "y"

while cba == "y":

while True:

try:

x = num()

z = int(x)

break

except:

print("The input is wrong. Please try Again.")

print(" ")

if z > 0 and z < 3:

cba = "n"

break

else:

print("The input is wrong. Please try Again.")

print(" ")

cba = "y"

print()

s = 0

query = "select \* from " + tbname + ";"

cursor.execute(query)

results = cursor.fetchall()

nrec = cursor.rowcount

print("Total records are: ", nrec)

for row in results:

s += 1

if s != 0:

if z == 1:

command = "select \* from " + tbname + ";"

cursor.execute(command)

data = cursor.fetchall()

nrec = cursor.rowcount

print("Total records found are: ", nrec)

print()

print(

"%20s" % "Name",

"%20s" % "Age",

"%10s" % "Gender",

"%20s" % "Aadhaar Number",

"%20s" % "Phone Number",

"%20s" % "Vaccine",

"%15s" % "Dose",

"%20s" % "Date",

)

print(

"==============================================================================================================================================================="

)

for row in data:

print(

"%20s" % row[0],

"%20s" % row[1],

"%10s" % row[2],

"%20s" % row[3],

"%20s" % row[4],

"%20s" % row[5],

"%15s" % row[6],

"%20s" % row[7],

)

print()

elif z == 2:

for i in range(1):

ans3 = "y"

while ans3 == "y":

try:

engine.say(

"here is the menu. What do you want to search."

)

engine.runAndWait()

print("What Do You Want To Search:")

print("1. Name")

print("2. Gender")

print("3. Aadhar\_Number")

print("4. Phone\_Number")

print("5. Vaccine")

print("6. Dose")

dcba = "y"

while dcba == "y":

while True:

try:

x = num()

w = int(x)

break

except:

print(

"The input is wrong. Please try Again."

)

print(" ")

if w > 0 and w < 7:

dcba = "n"

break

else:

print(

"The input is wrong. Please try Again."

)

print(" ")

dcba = "y"

if w == 1:

name = input(

"Enter the name to find his/her Details:"

)

caps(name)

query = (

"select \* from "

+ tbname

+ " where Name='"

+ name

+ "';"

)

cursor.execute(query)

results = cursor.fetchall()

nrec = cursor.rowcount

print("Total records found are: ", nrec)

print()

print(

"%20s" % "Name",

"%20s" % "Age",

"%10s" % "Gender",

"%20s" % "Aadhaar Number",

"%20s" % "Phone Number",

"%20s" % "Vaccine",

"%15s" % "Dose",

"%20s" % "Date",

)

print(

"======================================================================================================================================================================"

)

for row in results:

print(

"%20s" % row[0],

"%20s" % row[1],

"%10s" % row[2],

"%20s" % row[3],

"%20s" % row[4],

"%20s" % row[5],

"%15s" % row[6],

"%20s" % row[7],

)

elif w == 2:

gender = input(

"Enter the gender to find his/her Details:"

)

caps(gender)

query = (

"select \* from "

+ tbname

+ " where Gender='"

+ gender

+ "';"

)

cursor.execute(query)

results = cursor.fetchall()

nrec = cursor.rowcount

print("Total records found are: ", nrec)

print()

print(

"%20s" % "Name",

"%20s" % "Age",

"%10s" % "Gender",

"%20s" % "Aadhaar Number",

"%20s" % "Phone Number",

"%20s" % "Vaccine",

"%15s" % "Dose",

"%20s" % "Date",

)

print(

"======================================================================================================================================================================"

)

for row in results:

print(

"%20s" % row[0],

"%20s" % row[1],

"%10s" % row[2],

"%20s" % row[3],

"%20s" % row[4],

"%20s" % row[5],

"%15s" % row[6],

"%20s" % row[7],

)

elif w == 3:

Aadhar = aapkaaadhaaraapkipehchaan()

caps(Aadhar)

query = (

"select \* from "

+ tbname

+ " where Aadhar\_Number='"

+ Aadhar

+ "';"

)

cursor.execute(query)

results = cursor.fetchall()

nrec = cursor.rowcount

print("Total records found are: ", nrec)

print()

print(

"%20s" % "Name",

"%20s" % "Age",

"%10s" % "Gender",

"%20s" % "Aadhaar Number",

"%20s" % "Phone Number",

"%20s" % "Vaccine",

"%15s" % "Dose",

"%20s" % "Date",

)

print(

"======================================================================================================================================================================"

)

for row in results:

print(

"%20s" % row[0],

"%20s" % row[1],

"%10s" % row[2],

"%20s" % row[3],

"%20s" % row[4],

"%20s" % row[5],

"%15s" % row[6],

"%20s" % row[7],

)

elif w == 4:

Phone\_Number = phonen()

caps(Phone\_Number)

query = (

"select \* from "

+ tbname

+ " where Phone\_Number='"

+ Phone\_Number

+ "';"

)

cursor.execute(query)

results = cursor.fetchall()

nrec = cursor.rowcount

print("Total records found are: ", nrec)

print()

print(

"%20s" % "Name",

"%20s" % "Age",

"%10s" % "Gender",

"%20s" % "Aadhaar Number",

"%20s" % "Phone Number",

"%20s" % "Vaccine",

"%15s" % "Dose",

"%20s" % "Date",

)

print(

"======================================================================================================================================================================"

)

for row in results:

print(

"%20s" % row[0],

"%20s" % row[1],

"%10s" % row[2],

"%20s" % row[3],

"%20s" % row[4],

"%20s" % row[5],

"%15s" % row[6],

"%20s" % row[7],

)

elif w == 5:

Vaccine = vaccinen()

query = (

"select \* from "

+ tbname

+ " where Vaccine='"

+ Vaccine

+ "';"

)

cursor.execute(query)

results = cursor.fetchall()

nrec = cursor.rowcount

print("Total records found are: ", nrec)

print()

print(

"%20s" % "Name",

"%20s" % "Age",

"%10s" % "Gender",

"%20s" % "Aadhaar Number",

"%20s" % "Phone Number",

"%20s" % "Vaccine",

"%15s" % "Dose",

"%20s" % "Date",

)

print(

"======================================================================================================================================================================"

)

for row in results:

print(

"%20s" % row[0],

"%20s" % row[1],

"%10s" % row[2],

"%20s" % row[3],

"%20s" % row[4],

"%20s" % row[5],

"%15s" % row[6],

"%20s" % row[7],

)

elif w == 6:

Dose = input(

"Enter the Number Dose(s) to search Details:"

)

caps(Dose)

query = (

"select \* from "

+ tbname

+ " where Dose='"

+ Dose

+ "';"

)

cursor.execute(query)

results = cursor.fetchall()

nrec = cursor.rowcount

print("Total records found are: ", nrec)

print()

print(

"%20s" % "Name",

"%20s" % "Age",

"%10s" % "Gender",

"%20s" % "Aadhaar Number",

"%20s" % "Phone Number",

"%20s" % "Vaccine",

"%15s" % "Dose",

"%20s" % "Date",

)

print(

"======================================================================================================================================================================"

)

for row in results:

print(

"%20s" % row[0],

"%20s" % row[1],

"%10s" % row[2],

"%20s" % row[3],

"%20s" % row[4],

"%20s" % row[5],

"%15s" % row[6],

"%20s" % row[7],

)

except:

engine.say("No records found.")

engine.runAndWait()

print("No Records Found ")

print(" ")

print()

ans3 = ask3()

print()

else:

engine.say("Please choose a table which has Records")

print("Please choose a Table which has records.")

elif y == 9:

engine.say("Do you really want to exit")

engine.runAndWait()

ques = input("Do you really want to exit (y/n) :")

ques = ques.lower()

seuq = ques[0]

if seuq == "y":

engine.say("Thank you for trying our program")

engine.say(

"Stay Safe, Stay Healthy, Beware of COVID and remember, Health is Wealth"

)

engine.runAndWait()

print("Thankyou for Trying our Program")

b = "Stay Safe. Stay Healthy. Health is Wealth"

a = "\033[1m" + b + "\033[0m"

print(a)

ans = "n"

break

elif y == 4:

seldb()

agya = "y"

tbname = seltb()

while agya == "y":

while True:

try:

engine.say(

"enter the value which need to be inserted in the table"

)

engine.runAndWait()

name = input("Enter the Name:")

age = agen()

gender = input("Enter the Gender:")

aadhar = aapkaaadhaaraapkipehchaan()

phone = phonen()

vaccine = vaccinen()

dose = doseren()

date = daten()

caps(name)

caps(gender)

caps(dose)

edit(name)

edit(age)

edit(gender)

edit(aadhar)

edit(phone)

edit(vaccine)

edit(dose)

edit(date)

break

except:

print("There is some Error in the input please try again")

print()

command = (

"insert into "

+ tbname

+ "(Name,Age,Gender,Aadhar\_Number,Phone\_Number,Vaccine,Dose,Date) values('"

+ name

+ "',"

+ age

+ ",'"

+ gender

+ "','"

+ aadhar

+ "','"

+ phone

+ "','"

+ vaccine

+ "','"

+ dose

+ "','"

+ date

+ "');"

)

cursor.execute(command)

db.commit()

print()

print("Data Entry Successful!")

print()

agya = ask()

print()

elif y == 7:

agyado = "y"

while agyado == "y":

seldb()

tbname = seltb()

print()

s = 0

query = "select \* from " + tbname + ";"

cursor.execute(query)

results = cursor.fetchall()

nrec = cursor.rowcount

print("Total records are: ", nrec)

if nrec != 0:

engine.say(

"Please enter the field in which you want to update the table"

)

engine.runAndWait()

print()

print("Which field would you like to update in the table.")

print("1. Name")

print("2. Age")

print("3. Gender")

print("4. Aadhar Number")

print("5. Phone Number")

print("6. Vaccine")

print("7. Dose")

print()

abcdef = "y"

while abcdef == "y":

while True:

try:

x = num()

option = int(x)

break

except:

print("The input is wrong. Please try Again.")

print(" ")

if option > 0 and option < 8:

abcdef = "n"

break

else:

print("The input is wrong. Please try Again.")

print(" ")

abcdef = "y"

print("\_" \* 78)

print(" ")

if option == 1:

while True:

try:

aad = aadhaar2("Name")

n = input("Enter the new name of the person:")

caps(n)

cursor.execute(

"update "

+ tbname

+ " set Name='"

+ n

+ "' WHERE Aadhar\_Number='"

+ aad

+ "';"

)

db.commit()

print("## Record Updated ##")

break

except:

print("WRONG INPUT. PLEASE TRY AGAIN")

print()

elif option == 2:

while True:

try:

aad = aadhaar2("Age")

n = agen()

cursor.execute(

"update "

+ tbname

+ " set Age="

+ n

+ " WHERE Aadhar\_Number='"

+ aad

+ "';"

)

db.commit()

print("## Record Updated ##")

break

except:

print("WRONG INPUT. PLEASE TRY AGAIN")

print()

elif option == 3:

while True:

try:

aad = aadhaar2("Gender")

n = input("Enter the new gender of the person:")

caps(n)

cursor.execute(

"update "

+ tbname

+ " set Gender='"

+ n

+ "' WHERE Aadhar\_Number='"

+ aad

+ "';"

)

db.commit()

print("## Record Updated ##")

break

except:

print("WRONG INPUT. PLEASE TRY AGAIN")

print()

elif option == 4:

while True:

try:

aad = input(

"Enter the Name of person whose Aadhar Number is to be updated:"

)

n = aapkaaadhaaraapkipehchaan()

cursor.execute(

"update "

+ tbname

+ " set Aadhar\_Number='"

+ n

+ "' WHERE Name='"

+ aad

+ "';"

)

db.commit()

print("## Record Updated ##")

break

except:

print("WRONG INPUT. PLEASE TRY AGAIN")

print()

elif option == 5:

while True:

try:

aad = aadhaar2("Phone Number")

n = phonen()

cursor.execute(

"update "

+ tbname

+ " set Phone\_Number='"

+ n

+ "' WHERE Aadhar\_Number='"

+ aad

+ "';"

)

db.commit()

print("## Record Updated ##")

break

except:

print("WRONG INPUT. PLEASE TRY AGAIN")

print()

elif option == 6:

while True:

try:

aad = aadhaar2("Vaccine Name")

n = vaccinen()

cursor.execute(

"update "

+ tbname

+ " set Vaccine='"

+ n

+ "' WHERE Aadhar\_Number='"

+ aad

+ "';"

)

db.commit()

print("## Record Updated ##")

break

except:

print("WRONG INPUT. PLEASE TRY AGAIN")

print()

elif option == 7:

while True:

try:

aad = aadhaar2("No. of Doses")

n = doseren2()

caps(n)

cursor.execute(

"update "

+ tbname

+ " set Dose='"

+ n

+ "' WHERE Aadhar\_Number='"

+ aad

+ "';"

)

db.commit()

print("## Record Updated ##")

break

except:

print("WRONG INPUT. PLEASE TRY AGAIN")

print()

agyado = ask2()

else:

print("Please choose a Table which has records.")

elif y == 5:

engine.say(

"You have the following options to arrange Values from the Table"

)

engine.runAndWait()

print(

"You have the following options to arrange Values from the Table:"

)

print("1. Arrange the table in Ascending Order")

print("2. Arrange the table in Descending Order")

print()

cba = "y"

while cba == "y":

while True:

try:

x = num()

z = int(x)

break

except:

print("The input is wrong. Please try Again.")

print(" ")

if z > 0 and z < 3:

cba = "n"

break

else:

print("The input is wrong. Please try Again.")

print(" ")

cba = "y"

seldb()

if z == 1:

tbname2 = seltb()

print()

s = 0

query = "select \* from " + tbname + ";"

cursor.execute(query)

results = cursor.fetchall()

nrec = cursor.rowcount

print("Total records are: ", nrec)

for row in results:

s += 1

if s != 0:

print()

try:

engine.say(

"enter the number by which you want to sort the table"

)

engine.runAndWait()

print("1. Arrange the Name in Ascending Order")

print("2. Arrange the Age in Ascending Order")

print("3. Arrange the Gender in Ascending Order")

print("4. Arrange the Vaccine in Ascending Order")

print("5. Arrange the Dose in Ascending Order")

print()

dcbaa = "y"

while dcbaa == "y":

while True:

try:

x = num()

w = int(x)

break

except:

print("The input is wrong. Please try Again.")

print(" ")

if w > 0 and w < 6:

dcbaa = "n"

break

else:

print("The input is wrong. Please try Again.")

print(" ")

dcbaa = "y"

print()

if w == 1:

query = (

"select \* from "

+ tbname

+ " order by name "

+ "asc"

+ ";"

)

cursor.execute(query)

results = cursor.fetchall()

nrec = cursor.rowcount

print("Total records are: ", nrec)

print()

print(

"%20s" % "Name",

"%20s" % "Age",

"%10s" % "Gender",

"%20s" % "Aadhaar Number",

"%20s" % "Phone Number",

"%20s" % "Vaccine",

"%15s" % "Dose",

"%20s" % "Date",

)

print(

"======================================================================================================================================================================"

)

for row in results:

print(

"%20s" % row[0],

"%20s" % row[1],

"%10s" % row[2],

"%20s" % row[3],

"%20s" % row[4],

"%20s" % row[5],

"%15s" % row[6],

"%20s" % row[7],

)

elif w == 2:

query = (

"select \* from "

+ tbname

+ " order by Age "

+ "asc"

+ ";"

)

cursor.execute(query)

results = cursor.fetchall()

nrec = cursor.rowcount

print("Total records are: ", nrec)

print()

print(

"%20s" % "Name",

"%20s" % "Age",

"%10s" % "Gender",

"%20s" % "Aadhaar Number",

"%20s" % "Phone Number",

"%20s" % "Vaccine",

"%15s" % "Dose",

"%20s" % "Date",

)

print(

"======================================================================================================================================================================"

)

for row in results:

print(

"%20s" % row[0],

"%20s" % row[1],

"%10s" % row[2],

"%20s" % row[3],

"%20s" % row[4],

"%20s" % row[5],

"%15s" % row[6],

"%20s" % row[7],

)

elif w == 3:

query = (

"select \* from "

+ tbname

+ " order by Gender "

+ "asc"

+ ";"

)

cursor.execute(query)

results = cursor.fetchall()

nrec = cursor.rowcount

print("Total records are: ", nrec)

print()

print(

"%20s" % "Name",

"%20s" % "Age",

"%10s" % "Gender",

"%20s" % "Aadhaar Number",

"%20s" % "Phone Number",

"%20s" % "Vaccine",

"%15s" % "Dose",

"%20s" % "Date",

)

print(

"======================================================================================================================================================================"

)

for row in results:

print(

"%20s" % row[0],

"%20s" % row[1],

"%10s" % row[2],

"%20s" % row[3],

"%20s" % row[4],

"%20s" % row[5],

"%15s" % row[6],

"%20s" % row[7],

)

elif w == 4:

query = (

"select \* from "

+ tbname

+ " order by Vaccine "

+ "asc"

+ ";"

)

cursor.execute(query)

results = cursor.fetchall()

nrec = cursor.rowcount

print("Total records are: ", nrec)

print()

print(

"%20s" % "Name",

"%20s" % "Age",

"%10s" % "Gender",

"%20s" % "Aadhaar Number",

"%20s" % "Phone Number",

"%20s" % "Vaccine",

"%15s" % "Dose",

"%20s" % "Date",

)

print(

"======================================================================================================================================================================"

)

for row in results:

print(

"%20s" % row[0],

"%20s" % row[1],

"%10s" % row[2],

"%20s" % row[3],

"%20s" % row[4],

"%20s" % row[5],

"%15s" % row[6],

"%20s" % row[7],

)

elif w == 5:

query = (

"select \* from "

+ tbname

+ " order by Dose "

+ "asc"

+ ";"

)

cursor.execute(query)

results = cursor.fetchall()

nrec = cursor.rowcount

print("Total records are: ", nrec)

print()

print(

"%20s" % "Name",

"%20s" % "Age",

"%10s" % "Gender",

"%20s" % "Aadhaar Number",

"%20s" % "Phone Number",

"%20s" % "Vaccine",

"%15s" % "Dose",

"%20s" % "Date",

)

print(

"======================================================================================================================================================================"

)

for row in results:

print(

"%20s" % row[0],

"%20s" % row[1],

"%10s" % row[2],

"%20s" % row[3],

"%20s" % row[4],

"%20s" % row[5],

"%15s" % row[6],

"%20s" % row[7],

)

except:

print("No Records Found")

print(" ")

print()

else:

print("Please choose a Table wich has records.")

elif z == 2:

tbname = seltb()

print()

s = 0

query = "select \* from " + tbname + ";"

cursor.execute(query)

results = cursor.fetchall()

nrec = cursor.rowcount

print("Total records are: ", nrec)

for row in results:

s += 1

if s != 0:

print()

try:

engine.say(

"enter the number by which you want to sort the table"

)

engine.runAndWait()

print("1. Arrange the Name in Descending Order")

print("2. Arrange the Age in Descending Order")

print("3. Arrange the Gender in Descending Order")

print("4. Arrange the Vaccine in Descending Order")

print("5. Arrange the Dose in Descending Order")

print()

dcbaa = "y"

while dcbaa == "y":

while True:

try:

x = num()

w = int(x)

break

except:

print("The input is wrong. Please try Again.")

print(" ")

if w > 0 and w < 6:

dcbaa = "n"

break

else:

print("The input is wrong. Please try Again.")

print(" ")

dcbaa = "y"

print()

if w == 1:

query = (

"select \* from "

+ tbname

+ " order by name "

+ "DESC"

+ ";"

)

cursor.execute(query)

results = cursor.fetchall()

nrec = cursor.rowcount

print("Total records are: ", nrec)

print()

print(

"%20s" % "Name",

"%20s" % "Age",

"%10s" % "Gender",

"%20s" % "Aadhaar Number",

"%20s" % "Phone Number",

"%20s" % "Vaccine",

"%15s" % "Dose",

"%20s" % "Date",

)

print(

"======================================================================================================================================================================"

)

for row in results:

print(

"%20s" % row[0],

"%20s" % row[1],

"%10s" % row[2],

"%20s" % row[3],

"%20s" % row[4],

"%20s" % row[5],

"%15s" % row[6],

"%20s" % row[7],

)

elif w == 2:

query = (

"select \* from "

+ tbname

+ " order by Age "

+ "DESC"

+ ";"

)

cursor.execute(query)

results = cursor.fetchall()

nrec = cursor.rowcount

print("Total records are: ", nrec)

print()

print(

"%20s" % "Name",

"%20s" % "Age",

"%10s" % "Gender",

"%20s" % "Aadhaar Number",

"%20s" % "Phone Number",

"%20s" % "Vaccine",

"%15s" % "Dose",

"%20s" % "Date",

)

print(

"======================================================================================================================================================================"

)

for row in results:

print(

"%20s" % row[0],

"%20s" % row[1],

"%10s" % row[2],

"%20s" % row[3],

"%20s" % row[4],

"%20s" % row[5],

"%15s" % row[6],

"%20s" % row[7],

)

elif w == 3:

query = (

"select \* from "

+ tbname

+ " order by Gender "

+ "DESC"

+ ";"

)

cursor.execute(query)

results = cursor.fetchall()

nrec = cursor.rowcount

print("Total records are: ", nrec)

print()

print(

"%20s" % "Name",

"%20s" % "Age",

"%10s" % "Gender",

"%20s" % "Aadhaar Number",

"%20s" % "Phone Number",

"%20s" % "Vaccine",

"%15s" % "Dose",

"%20s" % "Date",

)

print(

"======================================================================================================================================================================"

)

for row in results:

print(

"%20s" % row[0],

"%20s" % row[1],

"%10s" % row[2],

"%20s" % row[3],

"%20s" % row[4],

"%20s" % row[5],

"%15s" % row[6],

"%20s" % row[7],

)

elif w == 4:

query = (

"select \* from "

+ tbname2

+ " order by Vaccine "

+ "DESC"

+ ";"

)

cursor.execute(query)

results = cursor.fetchall()

nrec = cursor.rowcount

print("Total records are: ", nrec)

print()

print(

"%20s" % "Name",

"%20s" % "Age",

"%10s" % "Gender",

"%20s" % "Aadhaar Number",

"%20s" % "Phone Number",

"%20s" % "Vaccine",

"%15s" % "Dose",

"%20s" % "Date",

)

print(

"======================================================================================================================================================================"

)

for row in results:

print(

"%20s" % row[0],

"%20s" % row[1],

"%10s" % row[2],

"%20s" % row[3],

"%20s" % row[4],

"%20s" % row[5],

"%15s" % row[6],

"%20s" % row[7],

)

elif w == 5:

query = (

"select \* from "

+ tbname2

+ " order by Dose "

+ "DESC"

+ ";"

)

cursor.execute(query)

results = cursor.fetchall()

nrec = cursor.rowcount

print("Total records are: ", nrec)

print()

print(

"%20s" % "Name",

"%20s" % "Age",

"%10s" % "Gender",

"%20s" % "Aadhaar Number",

"%20s" % "Phone Number",

"%20s" % "Vaccine",

"%15s" % "Dose",

"%20s" % "Date",

)

print(

"======================================================================================================================================================================"

)

for row in results:

print(

"%20s" % row[0],

"%20s" % row[1],

"%10s" % row[2],

"%20s" % row[3],

"%20s" % row[4],

"%20s" % row[5],

"%15s" % row[6],

"%20s" % row[7],

)

except:

print("No Records Found")

print(" ")

else:

print("Please choose a Table which has records.")

print()

print()

print()

print()

print()

ans = "y"

OUTPUT

Loading...

100%

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

COMPUTER SCIENCE

PROJECT

COVID VACCINE DATABASE MANAGEMENT SYSTEM

(BY MUDIT BIDANI AND ANISH MURALI)

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Enter your mysql username: root

Enter your mysql password: \*\*\*\*\*\*\*\*\*

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Here are the operations that you can use

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You can do the following operations:

1. Create Database

2. Choose Another Database

3. Create Table

4. Add records in the Table

5. Sort the Records and View

6. View Records from the Table

7. Edit records in the Table

8. Delete Table/Database

9. Exit

To perform the operation write the number associated with the Topic:2

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

You have the following Databases:

1 project

2 project2

Which Database would you like to choose (Enter the number associated):1

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Here are the operations that you can use

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

You can do the following operations:

1. Create Database

2. Choose Another Database

3. Create Table

4. Add records in the Table

5. Sort the Records and View

6. View Records from the Table

7. Edit records in the Table

8. Delete Table/Database

9. Exit

To perform the operation write the number associated with the Topic:4

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Database Selected.

You have the following Tables:

1 covid\_vaccine\_database

Which table would you like to choose (Enter the number associated):1

Enter the Name:Jessica

Enter the Age:1

Enter a valid age for Vaccination

Enter the Age:17

Enter the Gender:Female

Enter the Aadhaar Number:900400600100

Enter the Phone Number:5975384260

Choose from the Following:

1. Sputnik

2. Covaxin

3. Covishield

To choose the Vaccine write the number associated with it:2

Choose from the Following:

1. 1st Dose

2. 2nd Dose

3. Booster Dose

To choose the Dose write the number associated with it:2

Enter the Date of Vaccination (YYYY-MM-DD):2022-02-08

Data Entry Successful!

Do you want to add another record (y/n):n

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Here are the operations that you can use

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

You can do the following operations:

1. Create Database

2. Choose Another Database

3. Create Table

4. Add records in the Table

5. Sort the Records and View

6. View Records from the Table

7. Edit records in the Table

8. Delete Table/Database

9. Exit

To perform the operation write the number associated with the Topic:6

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Database Selected.

You have the following Tables:

1 covid\_vaccine\_database

Which table would you like to choose (Enter the number associated):1

You have the following options to search Values from the Table:

1. Print All Records

2. Print Full Record of a Specific Detail

To perform the operation write the number associated with the Topic:1

Total records are: 2

Total records found are: 2

Name Age Gender Aadhaar Number Phone Number Vaccine Dose Date

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Anish 17 Female 400500600700 9845617538 COVAXIN FIRST 2022-01-04

Jessica 17 Female 900400600100 5975384260 COVAXIN SECOND 2022-02-08

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Here are the operations that you can use

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You can do the following operations:

1. Create Database

2. Choose Another Database

3. Create Table

4. Add records in the Table

5. Sort the Records and View

6. View Records from the Table

7. Edit records in the Table

8. Delete Table/Database

9. Exit

To perform the operation write the number associated with the Topic:6

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Database Selected.

You have the following Tables:

1 covid\_vaccine\_database

Which table would you like to choose (Enter the number associated):1

You have the following options to search Values from the Table:

1. Print All Records

2. Print Full Record of a Specific Detail

To perform the operation write the number associated with the Topic:2

Total records are: 2

What Do You Want To Search:

1. Name

2. Gender

3. Aadhar\_Number

4. Phone\_Number

5. Vaccine

6. Dose

To perform the operation write the number associated with the Topic:1

Enter the name to find his/her Details:Jessica

Total records found are: 1

Name Age Gender Aadhaar Number Phone Number Vaccine Dose Date

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Jessica 17 Female 900400600100 5975384260 COVAXIN SECOND 2022-02-08

Do you want to see another record (y/n):n

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Here are the operations that you can use

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You can do the following operations:

1. Create Database

2. Choose Another Database

3. Create Table

4. Add records in the Table

5. Sort the Records and View

6. View Records from the Table

7. Edit records in the Table

8. Delete Table/Database

9. Exit

To perform the operation write the number associated with the Topic:5

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You have the following options to arrange Values from the Table:

1. Arrange the table in Ascending Order

2. Arrange the table in Descending Order

To perform the operation write the number associated with the Topic:1

Database Selected.

You have the following Tables:

1 covid\_vaccine\_database

Which table would you like to choose (Enter the number associated):1

Total records are: 2

1. Arrange the Name in Ascending Order

2. Arrange the Age in Ascending Order

3. Arrange the Gender in Ascending Order

4. Arrange the Vaccine in Ascending Order

5. Arrange the Dose in Ascending Order

To perform the operation write the number associated with the Topic:5

Total records are: 2

Name Age Gender Aadhaar Number Phone Number Vaccine Dose Date

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Anish 17 Female 400500600700 9845617538 COVAXIN FIRST 2022-01-04

Jessica 17 Female 900400600100 5975384260 COVAXIN SECOND 2022-02-08

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Here are the operations that you can use

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You can do the following operations:

1. Create Database

2. Choose Another Database

3. Create Table

4. Add records in the Table

5. Sort the Records and View

6. View Records from the Table

7. Edit records in the Table

8. Delete Table/Database

9. Exit

To perform the operation write the number associated with the Topic:7

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Database Selected.

You have the following Tables:

1 covid\_vaccine\_database

Which table would you like to choose (Enter the number associated):1

Total records are: 2

Which field would you like to update in the table.

1. Name

2. Age

3. Gender

4. Aadhar Number

5. Phone Number

6. Vaccine

7. Dose

To perform the operation write the number associated with the Topic:2

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Enter the Aadhaar Number of the person whose Age is to be updated:900400600100

Enter the Age:16

## Record Updated ##

Do you want to update another record (y/n):n

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Here are the operations that you can use

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You can do the following operations:

1. Create Database

2. Choose Another Database

3. Create Table

4. Add records in the Table

5. Sort the Records and View

6. View Records from the Table

7. Edit records in the Table

8. Delete Table/Database

9. Exit

To perform the operation write the number associated with the Topic:5

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You have the following options to arrange Values from the Table:

1. Arrange the table in Ascending Order

2. Arrange the table in Descending Order

To perform the operation write the number associated with the Topic:1

Database Selected.

You have the following Tables:

1 covid\_vaccine\_database

Which table would you like to choose (Enter the number associated):1

Total records are: 2

1. Arrange the Name in Ascending Order

2. Arrange the Age in Ascending Order

3. Arrange the Gender in Ascending Order

4. Arrange the Vaccine in Ascending Order

5. Arrange the Dose in Ascending Order

To perform the operation write the number associated with the Topic:2

Total records are: 2

Name Age Gender Aadhaar Number Phone Number Vaccine Dose Date

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Jessica 16 Female 900400600100 5975384260 COVAXIN SECOND 2022-02-08

Anish 17 Female 400500600700 9845617538 COVAXIN FIRST 2022-01-04

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Here are the operations that you can use

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You can do the following operations:

1. Create Database

2. Choose Another Database

3. Create Table

4. Add records in the Table

5. Sort the Records and View

6. View Records from the Table

7. Edit records in the Table

8. Delete Table/Database

9. Exit

To perform the operation write the number associated with the Topic:8

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Do you want to delete a Database or a Table :database

Database Deleted.

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Here are the operations that you can use

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3. Create Table

4. Add records in the Table

5. Sort the Records and View

6. View Records from the Table

7. Edit records in the Table

8. Delete Table/Database

9. Exit

To perform the operation write the number associated with the Topic:2

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You have the following Databases:

1 project2

Which Database would you like to choose (Enter the number associated):1

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Here are the operations that you can use

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You can do the following operations:

1. Create Database

2. Choose Another Database

3. Create Table

4. Add records in the Table

5. Sort the Records and View

6. View Records from the Table

7. Edit records in the Table

8. Delete Table/Database

9. Exit

To perform the operation write the number associated with the Topic:9

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Do you really want to exit (y/n) :y

Thankyou for Trying our Program

Stay Safe. Stay Healthy. Health is Wealth

BIBLIOGRAPHY

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REMARKS