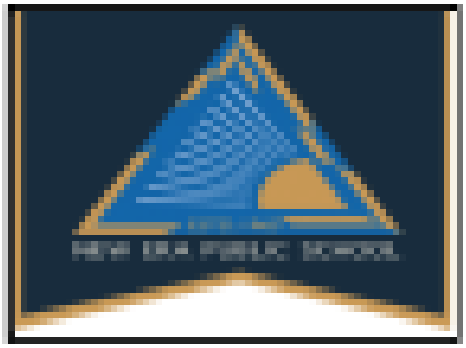

New Era Public

School

Mayapuri

COMPUTER SCIENCE

NAME: *Mudit Bidani*

CLASS: *XII* **SECTION:** *F*

ROLL NO: *25*

ACADEMIC YEAR: 2021-22

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 wouldbe 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.

INDEX

TOPIC OF THE PROJECT

Covid-19 Vaccine Database Management System

2021-22

Group members:

1) Mudit Bidani
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 :

1. **CREATE DATABASE**
2. **CREATE TABLE**
3. **ADD RECORDS IN THE TABLE**
4. **SORT THE RECORDS**
5. **VIEW RECORDS FROM THE TABLE**
6. **EDIT RECORDS IN THE TABLE**
7. **DELETE TABLE OR DATABASE**
8. **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 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:

i. Data Definition Language (DDL)
ii. Data Manipulation Language (DML)
iii. Transaction Control Language (TCL)
iv. Session Control Commands
v. 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='"
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                    + 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(

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                )
                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",
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```
                    "%20s" % "Age",
                    "%10s" % "Gender",
                    "%20s" % "Aadhaar Number",
                    "%20s" % "Phone Number",
                    "%20s" % "Vaccine",
                    "%15s" % "Dose",
                    "%20s" % "Date",
                )
                print(

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                )
                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(
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"================================================================================================================================"
                        )
                        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],
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                        "%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(

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                    )
                    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 ")
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```
                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()
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```
            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:
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```
        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(

"================================================================================
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                )
                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(

"================================================================================================
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                )
                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(

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                    )
                    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(

"=============================================================================================
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                    )
                    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(

"================================================================================
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                    )
                    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(

"================================================================================================
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                )
                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(
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"================================================================================
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                    )
                    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: *********

~~~~~~
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:2
____

You have the following Databases:
1 project
2 project2

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

~~~~~~
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

```
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
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
________________________________________________________________________________

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
==============================================================================================
============================================================================
         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
~~~~~~

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

_____

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
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

~~~~~~

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

____

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
==
==

Anish 17 Female 400500600700 9845617538 COVAXIN FIRST 2022-01-04
Jessica 17 Female 900400600100 5975384260 COVAXIN SECOND 2022-02-08

~~~~~~

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:7

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

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

~~~~~~

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:5

____

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
==
===
Jessica 16 Female 900400600100 5975384260 COVAXIN SECOND
2022-02-08
Anish 17 Female 400500600700 9845617538 COVAXIN FIRST
2022-01-04

~~~~~~

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:8

____

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

~~~~~~

Here are the operations that you can use

~~~~~~

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 project2

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

~~~~~~
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:9
____

Do you really want to exit (y/n) :y
Thankyou for Trying our Program
Stay Safe. Stay Healthy. Health is Wealth

BIBLIOGRAPHY

❖ To develop this project many references were used:

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REMARKS