

PYTHON MINI PROJECT

[HOSPITAL MANAGEMENT SYSTEM]

OBJECTIVE :

The project deals with the management of “HOSPITAL DETAILS”. It is a place where patient and doctor details are available. The objective is to automate its existing manual system by the help of computerized equipment and full fledged computer program , fulfilling their requirements ,so that their valuable data can be stored for a long period with easy accessing.

The system generates a types of reports that can be then used for various purpose

PROGRAM CODE :

```
import random
import time
import datetime
from tkinter import *
from tkinter import ttk
import tkinter.messagebox
```

```
def main():  
    root = Tk()  
    app = windows1(root)  
    root.mainloop()  
  
class windows1:  
    def __init__(self, master):  
        self.master = master  
  
        self.master.title("PHARMACY MANAGEMENT SYSTEM")  
  
        self.master.geometry('1350x750+0+0')  
  
        self.frame = Frame(self.master)  
        self.frame.pack()  
  
  
        self.Username = StringVar()  
        self.Password = StringVar()  
  
  
        self.LabelTitle = Label(self.frame, text = "    PHARMACY MANAGEMENT    ", font =  
("arial", 40, "bold"), bd=10, relief="sunken")  
  
  
        self.LabelTitle.grid(row = 0, column=0, columnspan = 2, pady=20)  
  
  
        self.Loginframe1 = Frame(self.frame, width=1000, height=300, bd=10, relief="groove")  
        self.Loginframe1.grid(row=1, column=0)  
  
  
        self.Loginframe2 = Frame(self.frame, width=1000, height=100, bd=10, relief="groove")  
        self.Loginframe2.grid(row=2, column=0, pady=15)  
  
  
        self.Loginframe3 = Frame(self.frame, width=1000, height=200, bd=10, relief="groove")
```

```
self.Loginframe3.grid(row=6,column=0,pady=5)
```

```
self.button_reg = Button(self.Loginframe3,text ="Patient registration window",state=DISABLED,font = ("arial",15,"bold"),command =self.Registration_window)
```

```
self.button_reg.grid(row=0,column=0,padx=10,pady=10)
```

```
self.button_Hosp = Button(self.Loginframe3,text ="Hospital registration window",state=DISABLED,font = ("arial",15,"bold"),command =self.Hospital_window)
```

```
self.button_Hosp.grid(row=0,column=1,padx=10,pady=10)
```

```
self.button_Dr_appt = Button(self.Loginframe3,text ="Doctor management window",state=DISABLED,font = ("arial",15,"bold"),command =self.Dr_Apoint_window)
```

```
self.button_Dr_appt.grid(row=1,column=0,padx=10,pady=10)
```

```
self.button_med_stock = Button(self.Loginframe3,text ="Medicine stock window",state=DISABLED,font = ("arial",15,"bold"),command =self.Medicine_stock)
```

```
self.button_med_stock.grid(row=1,column=1,padx=10,pady=10)
```

```
self.LabelUsername=Label(self.Loginframe1,text="User Name",font=("arial",20,"bold"),bd=3)
```

```
self.LabelUsername.grid(row=0,column=0)
```

```
self.textUsername = Entry(self.Loginframe1,font=("arial",20,"bold"),bd=3,
, textvariable=self.Username)
```

```
self.textUsername.grid(row=0,column=1,padx=40,pady=15)
```

```

self.LabelPassword = Label(self.Loginframe1,text="Password",font=("arial",20,"bold"),bd=3)

self.LabelPassword.grid(row=1,column=0)


self.textPaaword =
Entry(self.Loginframe1,font=("arial",20,"bold"),show="*",bd=3,textvariable=self.Password)

self.textPaaword.grid(row=1,column=1,padx=40,pady=15)


self.button_login=Button(self.Loginframe2,text="Login",width=20,font=("arial",18,"bold"),command
=self.login_system)


self.button_login.grid(row=0,column=0,padx=10,pady=10)


self.button_Reset=Button(self.Loginframe2,text="Reset",width=20,font=("arial",18,"bold"),command
=self.reset_btn)


self.button_Reset.grid(row=0,column=3,padx=10,pady=10)


self.button_Exit=Button(self.Loginframe2,text="Exit",width=20,font=("arial",18,"bold"),command=self.Exit_btn)


self.button_Exit.grid(row=0,column=6,padx=10,pady=10)


def login_system(self):

    user = self.Username.get()

    pswd = self.Password.get()


    if(user == str("admin") and (pswd == str("admin"))):

        self.button_reg.config(state=NORMAL)

```

```

        self.button_Hosp.config(state=NORMAL)
        self.button_Dr_appt.config(state=NORMAL)
        self.button_med_stock.config(state=NORMAL)
    else:
        tkinter.messagebox.askokcancel("PHARMACY MANAGEMENT SYSTEM", "You have entered
invalid username or password")

        self.button_reg.config(state=DISABLED)
        self.button_Hosp.config(state=DISABLED)
        self.button_Dr_appt.config(state=DISABLED)
        self.button_med_stock.config(state=DISABLED)


        self.Username.set("")
        self.Password.set("")
        self.textUsername.focus()

def reset_btn(self):
    self.button_reg.config(state=DISABLED)
    self.button_Hosp.config(state=DISABLED)
    self.button_Dr_appt.config(state=DISABLED)
    self.button_med_stock.config(state=DISABLED)


    self.Username.set("")
    self.Password.set("")
    self.textUsername.focus()

def Exit_btn(self):
    self.Exit_btn =tkinter.messagebox.askyesno("PHARMACY MANAGEMENT SYSTEM", " Are you
sure you want to exit? ")
    if self.Exit_btn >0:

        self.master.destroy()

```

```
return
```

```
def Registration_window(self):  
    self.newWindow = Toplevel(self.master)  
    self.app = Registration(self.newWindow)
```

```
def Hospital_window(self):  
    self.newWindow = Toplevel(self.master)  
    self.app = Hospital(self.newWindow)
```

```
def Dr_Apoint_window(self):  
    self.newWindow = Toplevel(self.master)  
    self.app = windows4(self.newWindow)
```

```
def Medicine_stock(self):  
    self.newWindow = Toplevel(self.master)  
    self.app = windows5(self.newWindow)
```

```
class Registration:  
    def __init__(self,root):
```

```
self.root = root  
self.root.title("PATIENT REGISTRATION SYSTEM")  
self.root.geometry("1350x750+0+0")  
self.root.configure(background = "black")
```

```
Date_of_Registration = StringVar()  
Date_of_Registration.set(time.strftime("%d/%m/%y"))
```

```
Ref = StringVar()  
Mobile_no = StringVar()  
Pincode = StringVar()  
Address = StringVar()  
Firstname = StringVar()  
Lastname = StringVar()
```

```
var1 = StringVar()  
var2 = StringVar()  
var3 = StringVar()  
var4 = StringVar()  
var5 = IntVar()
```

```
Membership = StringVar()  
Membership.set("0")
```

```
def exitbtt():  
    exitbtt = tkinter.messagebox.askyesno("MEMBER REGISTRATION FORM","Are you sure you  
want to exit?  ")  
    if exitbtt>0:  
        root.destroy()  
    else:  
        self.newWindow =Toplevel(self.master)  
        self.app = Registration(self.newWindow)  
        return
```

```
def resetbtt():  
    Ref.set("")  
    Mobile_no.set("")  
    Pincode.set("")  
    Address.set("")  
    Firstname.set("")  
    Lastname.set("")  
    var1.set("")  
    var2.set("")  
    var3.set("")  
    var4.set("")  
    var5.set("")  
    Membership.set("0")  
    member_gendercmb.current(0)  
    member_id_proofcmb.current(0)  
    member_memtypecmb.current(0)  
    member_paymentwithcmb.current(0)  
    member_membershiptxt(state=DISABLED)
```

```
def reesetbtt():  
    reesetbtt = tkinter.messagebox.askyesno("MEMBER REGISTRATION FORM","Are you sure  
you want to reset?  ")
```



```

if reeesebtt >0:
    resetbtt()
elif reeesebtt <=0:
    resetbtt()
    detail_labeltxt.delete("1.0",ENO)
    return

```

```

def Reference_number():
    ranumber = random.randint(10000,9999999)
    randomnumber = str(ranumber)
    Ref.set(randomnumber)

```

```

def membership_fees():

```

```

    if(var5.get()==1):
        member_membership.txt.configure(state=NORMAL)
        item=int(10000)
        Membership.set(str(item)+"Rs")

```

```

    elif(var5.get()==0):

```

```

        member_membership.txt.configure(state=DISABLED)
        Membership.set("0")

```

```

def Receipt():

```

```

    Reference_number()
    detail_labeltxt.insert(END,"\t" + Date_of_Registration.get() + "    \t" + Ref.get() + "\t\t" +
    Firstname.get() + '    \t' + Lastname.get() + "\t\t" + Mobile_no.get()
    + "    \t\t" + Address.get() + "\t" + Pincode.get() + "    \t" +
    member_gendercmb.get() + "\t\t" + Membership.get() + "\n")

```

```
title = Label(self.root,text = "Member registration form",font = ("monotype  
corsive",30,"bold"),bd=5,relief = GROOVE,bg="white",fg="black")
```

```
title.pack(side=TOP,fill= X )
```

```
Manage_Frame =Frame(self.root,bd=4,relief = RIDGE,bg="#001a66")
```

```
Manage_Frame.place(x=20,y=100,width=450,height=630)
```

```
Cus_title = Label(Manage_Frame,text = "Patient details",font  
=("arail",20,"bold"),bg="#001a66",fg="white")
```

```
Cus_title.grid(row=0,columnspan=2,pady=5)
```

```
member_datelb1 = Label(Manage_Frame,text = "Date",font  
=("arial",15,"bold"),bg="#001a66",fg="white")
```

```
member_datelb1.grid(row=1,column=0,pady=5,padx =10,sticky="w")
```

```
member_datetxt = Entry(Manage_Frame,font=("arail",15,"bold"),textvariable =  
Date_of_Registratation ,bg="white" )
```

```
member_datetxt.grid(row = 1,column=1,pady=5,padx=10,sticky="w")
```

```
member_reflb1 = Label(Manage_Frame,text = "Reference ID",font =  
("arial",15,"bold"),bg="#001a66",fg="white")
```

```
member_reflb1.grid(row = 2,column = 0,padx=10,pady=5,sticky="w")
```

```
member_reftxt = Entry(Manage_Frame,font=("arail",15,"bold"),state=DISABLED,text=Ref  
,bg="white" )
```

```
member_reftxt.grid(row = 2,column=1,pady=5,padx=10,sticky="w")
```

```
member_fnamelb1 = Label(Manage_Frame,text = "First Name",font  
=("arial",15,"bold"),bg="#001a66",fg="white")
```

```
member_fnamelb1.grid(row=3,column=0,pady=5,padx =10,sticky="w")
```

```
member_fnametxt = Entry(Manage_Frame,font=("arail",15,"bold"),textvariable = Firstname  
,bg="white" )
```

```
member_fnametxt.grid(row = 3,column=1,pady=5,padx=10,sticky="w")
```

```
member_inamelb1 = Label(Manage_Frame,text = "Last Name",font  
=("arial",15,"bold"),bg="#001a66",fg="white")
```

```
member_inamelb1.grid(row=4,column=0,pady=5,padx =10,sticky="w")
```

```
member_inametxt = Entry(Manage_Frame,font=("arail",15,"bold"),textvariable = Lastname  
,bg="white" )
```

```
member_inametxt.grid(row = 4,column=1,pady=5,padx=10,sticky="w")
```

```
member_mobilelb1 = Label(Manage_Frame,text = "Mobile no",font  
=("arial",15,"bold"),bg="#001a66",fg="white")
```

```
member_mobilelb1.grid(row=5,column=0,pady=5,padx =10,sticky="w")
```

```
member_mobiletxt = Entry(Manage_Frame,font=("arail",15,"bold"),textvariable = Mobile_no  
,bg="white" )
```

```
member_mobiletxt.grid(row =5,column=1,pady=5,padx=10,sticky="w")
```

```
member_addresslb1 = Label(Manage_Frame,text = "Address",font  
=("arial",15,"bold"),bg="#001a66",fg="white")
```

```
member_addresslb1.grid(row=6,column=0,pady=5,padx =10,sticky="w")
```

```
member_adresstxt = Entry(Manage_Frame,font=("arail",15,"bold"),textvariable = Address  
,bg="white" )
```

```
member_adresstxt.grid(row = 6,column=1,pady=5,padx=10,sticky="w")
```

```
member_pincodelb1 = Label(Manage_Frame,text = "Pincode",font  
=("arial",15,"bold"),bg="#001a66",fg="white")
```

```
member_pincodelb1.grid(row=7,column=0,pady=5,padx =10,sticky="w")
```

```
member_pincodetxt = Entry(Manage_Frame,font=("arail",15,"bold"),textvariable = Pincode  
,bg="white" )
```

```
member_pincodetxt.grid(row = 7,column=1,pady=5,padx=10,sticky="w")
```

```
member_genderlb1 = Label(Manage_Frame,text = "Gender",font  
=("arial",15,"bold"),bg="#001a66",fg="white")
```

```
member_genderlb1.grid(row=8,column=0,pady=5,padx =10,sticky="w")
```

```
member_gendercmb =  
ttk.Combobox(Manage_Frame,text=var4,state="readonly",font=("arail",15,"bold"),width=19)
```

```
member_gendercmb['values'] = ("","Male","Female","Other")
```

```
member_gendercmb.current(0)
```

```
member_gendercmb.grid(row=8,column=1,pady=5,padx=10,sticky="w")
```

```
member_id_prooflb1 = Label(Manage_Frame,text = "ID Proof",font  
=("arial",15,"bold"),bg="#001a66",fg="white")
```

```
member_id_prooflb1.grid(row=9,column=0,pady=5,padx =10,sticky="w")
```

```
member_id_proofcmb =  
ttk.Combobox(Manage_Frame,text=var3,state="readonly",font=("arail",15,"bold"),width=19)
```

```
member_id_proofcmb['values'] = ("","Adhaar card","Passport","Driving liscence","Pan  
card","Student ID")
```

```
member_id_proofcmb.current(0)
```

```
member_id_proofcmb.grid(row=9,column=1,pady=5,padx=10,sticky="w")
```

```
member_memtype1b1 = Label(Manage_Frame,text = "Member type",font  
=("arial",15,"bold"),bg="#001a66",fg="white")
```

```
member_memtype1b1.grid(row=10,column=0,pady=5,padx =10,sticky="w")
```

```
member_memtypecmb =  
ttk.Combobox(Manage_Frame,text=var2,state="readonly",font=("arail",15,"bold"),width=19)
```

```
member_memtypecmb['values'] = ("" , "Ayushaan card", "Insurance", "Pay immediately", "Pay  
when leaving")
```

```
member_memtypecmb.current(0)
```

```
member_memtypecmb.grid(row=10,column=1,pady=5,padx=10,sticky="w")
```

```
member_paymentwith1b1 = Label(Manage_Frame,text = "Member type",font  
=("arial",15,"bold"),bg="#001a66",fg="white")
```

```
member_paymentwith1b1.grid(row=11,column=0,pady=5,padx =10,sticky="w")
```

```
member_paymentwithcmb =  
ttk.Combobox(Manage_Frame,text=var1,state="readonly",font=("arail",15,"bold"),width=19)
```

```
member_paymentwithcmb['values'] = ("" , "Cash", "Debit card - RuPay", "Debit card - Visa", "Debit  
card - Mastercard", "Credit card", "Phonepe", "GooglePay", "Paytm")
```

```
member_paymentwithcmb.current(0)
```

```
member_paymentwithcmb.grid(row=11,column=1,pady=5,padx=10,sticky="w")
```

```
member_membership = Checkbutton(Manage_Frame,text="Membership fees",variable =  
var5,onvalue=1,offvalue=0,font=("arial",15,"bold"),bg="#001a66",fg="white",command=membershi  
p_fees)
```

```
member_membership.grid(row=12,column=0,sticky="w")
```

```
member_membershiptxt=Entry(Manage_Frame,font=("arail",15,"bold"),state=DISABLED,justify=RIG  
HT,textvariable=Membership)
```

```
member_membershiptxt.grid(row=12,column=1,pady=5,padx=10,sticky="w")
```

```
detail_frame = Frame(self.root,relief = RIDGE,bg="#001a66")
```

```
detail_frame.place(x=500,y=100,width=820,height=630)
```

```
detail_label= Label(detail_frame,font=("arail",11,"bold"),pady=10,padx=2,width=95,  
                    text="Date\tRef Id\tFirst name   Last name   Mobile no   Address   Pincode  
Gender   Menbership")
```

```
detail_label.grid(row=0,column=0,columnspan=4,sticky="w")
```

```
detail_labeltxt = Text(detail_frame,width=123,height=34,font=("arial",10))
```

```
detail_labeltxt.grid(row=1,column=0,columnspan=4)
```

```
receiptbtn =  
Button(detail_frame,padx=15,bd=5,font=("arail",12,"bold"),bg="#ff9966",width=20,text="Receipt",c  
ommand=Receipt)
```

```
receiptbtn.grid(row=2,column=0)
```

```
resetbtn =  
Button(detail_frame,padx=15,bd=5,font=("arail",12,"bold"),bg="#ff9966",width=20,text="Reset",co  
mmand=reeesetbtt)
```

```
resetbtn.grid(row=2,column=1)
```

```
exitbtn =  
Button(detail_frame,padx=15,bd=5,font=("arail",12,"bold"),bg="#ff9966",width=20,text="Exit",com  
mand=exitbtt)
```

```
exitbtn.grid(row=2,column=2)
```

```
class Hospital():
```

```
def __init__(self,root):
```

```
    self.root = root
```

```
    self.root.title("HOSPITAL MANAGEMENT SYSTEM")
```

```
    self.root.geometry("1700x900+0+0")
```

```
    self.root.configure(background = "black")
```

```
Ref = StringVar()
```

```
cmbTabletNames =StringVar()
```

```
HospitalCode = StringVar()
```

```
Number_of_Tablets = StringVar()
```

```
Lot = StringVar()
```

```
IssuedDate = StringVar()
```

```
ExpiryDate = StringVar()
```

```
DailyDose = StringVar()
```

```
SideEffets = StringVar()
```

```
MoreInformation = StringVar()
```

```
StorageAdvice = StringVar()
```

```
Medication = StringVar()
```

```
PaientId = StringVar()
```

```
Patientname = StringVar()
```

```
Dateofbirth = StringVar()
```

```
PatientAddress = StringVar()
```

```
Prescription = StringVar()
```

```
NHSnumber = StringVar()
```

```
Date_of_Registration = StringVar()
```

```
Date_of_Registration.set(time.strftime("%d/%m/%y"))
```

```
def Reference_numfunc():
```

```
    ranumber=random.randint(10000,99999999)
```

```
    randomnumber = str(ranumber)
```

```
    Ref.set(randomnumber)
```

```
def prescriptionfunc():
```

```
    Reference_numfunc()
```

```
    TextPrescription.insert(END,"Patient ID: \t\t"+PatientId.get()+"\n")
```

```
    TextPrescription.insert(END,"Patient Name: \t\t"+Patientname.get()+"\n")
```

```
    TextPrescription.insert(END,"Tablet: \t\t"+cmbTabletNames.get()+"\n")
```

```
    TextPrescription.insert(END,"Number of Tablets: \t\t"+Number_of_Tablets.get()+"\n")
```

```
    TextPrescription.insert(END,"Daily Dose: \t\t"+DailyDose.get()+"\n")
```

```
    TextPrescription.insert(END,"Issued date: \t\t"+IssuedDate.get()+"\n")
```

```
    TextPrescription.insert(END,"Expiry date: \t\t"+ExpiryDate.get()+"\n")
```

```
    TextPrescription.insert(END,"Storage: \t\t"+StorageAdvice.get()+"\n")
```

```
    TextPrescription.insert(END,"More Information: \t\t"+MoreInformation.get()+"\n")
```

```
    return
```

```
def prescriptiondatafunc():
```

```
    Reference_numfunc()
```

```
    TextPrescriptionData.insert(END,Date_of_Registration.get()+"\t\t"+Ref.get()+"\t\t"+PatientId.get()+"\t\t"+
```



```
Patientname.get()+"\t\t"+Dateofbirth.get()+"\t\t"+NHSnumber.get()+"\t\t"+cmbTabletNames.get()+  
"\t\t"+Number_of_Tablets.get()+"\t\t"+IssuedDate.get()+"\t\t"
```

```
+ExpiryDate.get()+"\t\t"+DailyDose.get()+"\t\t"+StorageAdvice.get()+"\t\t"+"\\n")
```

```
return
```

```
def exitbtn():
```

```
    exitbtt = tkinter.messagebox.askyesno("HOSPITAL MANAGEMENT SYSTEM","Are you sure you  
want to exit?  ")
```

```
    if exitbtt>0:
```

```
        root.destroy()
```

```
    return
```

```
def deletfunc():
```

```
    Ref.set("")
```

```
    cmbTabletNames.set("")
```

```
    HospitalCode.set("")
```

```
    Number_of_Tablets.set("")
```

```
    Lot.set("")
```

```
    IssuedDate.set("")
```

```
    ExpiryDate.set("")
```

```
    DailyDose.set("")
```

```
    SideEffets.set("")
```

```
    MoreInformation.set("")
```

```
    StorageAdvice.set("")
```

```
    Medication.set("")
```

```
    PatientId.set("")
```

```
    Patientname.set("")
```

```
    Dateofbirth.set("")
```

```
    PatientAddress.set("")
```

```
Prescription.set("")
NHSnumber.set("")
TextPrescription.delete("1.0",END)
TextPrescriptionData.delete("1.0",END)
return
```

```
def resetfunc():
```

```
    Ref.set("")
    cmbTabletNames.set("")
    HospitalCode.set("")
    Number_of_Tablets.set("")
    Lot.set("")
    IssuedDate.set("")
    ExpiryDate.set("")
    DailyDose.set("")
    SideEffects.set("")
    MoreInformation.set("")
    StorageAdvice.set("")
    Medication.set("")
    PatientId.set("")
    Patientname.set("")
    Dateofbirth.set("")
    PatientAddress.set("")
    Prescription.set("")
    NHSnumber.set("")
    TextPrescription.delete("1.0",END)
    return
```

```
title = Label(self.root,text="Hospital Management System",font=("monotype  
cpriva",42,"bold"),bd=5,relief=GROOVE,bg="#2eb8b8",fg="black")
```

```
title.pack(side=TOP,fill= X)
```

```
Manage_Frame=Frame(self.root,width=1683,height=700,bd=5,relief=RIDGE,bg="#0099cc")
```

```
Manage_Frame.place(x=10,y=80)
```

```
Button_Frame = Frame(self.root,width=1683,height=100,bd=4,relief=RIDGE,bg="#328695")
```

```
Button_Frame.place(x=10,y=470)
```

```
Data_Frame = LabelFrame(self.root,width=1683,height=370,bd=4,relief=RIDGE,bg="#266e73")
```

```
Data_Frame.place(x=10,y=522)
```

```
Data_FrameLeft = LabelFrame(Manage_Frame,width=1050,text="General  
Information",font=("arial",15,"italic bold"),height=390,bd=7,relief=RIDGE,bg="#0099cc")
```

```
Data_FrameLeft.pack(side=LEFT)
```

```
Data_FrameRight =  
LabelFrame(Manage_Frame,width=1050,text="Prescription",font=("arial",15,"italic  
bold"),height=390,bd=7,relief=RIDGE,bg="#0099cc")
```

```
Data_FrameRight.pack(side=RIGHT)
```

```
Data_Framedata = LabelFrame(Data_Frame,width=1050,text="Prescription  
data",font=("arial",12,"italic bold"),height=300,bd=4,relief=RIDGE,bg="#3eb7bb")
```

```
Data_Framedata.pack(side = LEFT)
```

```
Datelb1=Label(Data_FrameLeft,font=("arial",12,"bold"),width=20,text="Date",padx=2,bg="#0099cc")
```

```
Datelb1.grid(row=0,column=0,padx=10,pady=5,sticky=W)
```

```
Datetxt =
```

```
Entry(Data_FrameLeft,font=("arial",12,"bold"),width=27,textvariable=Date_of_Registration)
```

```
Datetxt.grid(row=0,column=1,padx=10,pady=22,sticky=E)
```

```
Reflb1=Label(Data_FrameLeft,font=("arial",12,"bold"),width=20,text="Registration  
Number",padx=2,bg="#0099cc")
```

```
Reflb1.grid(row=1,column=0,padx=10,pady=5,sticky=W)
```

```
Reftxt =
```

```
Entry(Data_FrameLeft,font=("arial",12,"bold"),width=27,state=DISABLED,textvariable=Ref)
```

```
Reftxt.grid(row=1,column=1,padx=10,pady=5,sticky=E)
```

```
PatientIdlb1=Label(Data_FrameLeft,font=("arial",12,"bold"),width=20,text="Patient  
Id",padx=2,bg="#0099cc")
```

```
PatientIdlb1.grid(row=2,column=0,padx=10,pady=5,sticky=W)
```

```
PatientIdtxt = Entry(Data_FrameLeft,font=("arial",12,"bold"),width=27,textvariable=PaientId)
```

```
PatientIdtxt.grid(row=2,column=1,padx=10,pady=5,sticky=E)
```

```
PatientNamelb1=Label(Data_FrameLeft,font=("arial",12,"bold"),width=20,text="Patient  
Name",padx=2,bg="#0099cc")
```

```
PatientNamelb1.grid(row=3,column=0,padx=10,pady=5,sticky=W)
```

```
PatientNametxt =
```

```
Entry(Data_FrameLeft,font=("arial",12,"bold"),width=27,textvariable=Patientname)
```

```
PatientNametxt.grid(row=3,column=1,padx=10,pady=5,sticky=E)
```

```
Dateofbirthlb1=Label(Data_FrameLeft,font=("arial",12,"bold"),width=20,text="Date Of Birth",padx=2,bg="#0099cc")
```

```
Dateofbirthlb1.grid(row=4,column=0,padx=10,pady=5,sticky=W)
```

```
Dateofbirthtxt =  
Entry(Data_FrameLeft,font=("arial",12,"bold"),width=27,textvariable=Dateofbirth)
```

```
Dateofbirthtxt.grid(row=4,column=1,padx=10,pady=5,sticky=E)
```

```
Addresslb1=Label(Data_FrameLeft,font=("arial",12,"bold"),width=20,text="Address",padx=2,bg="#0099cc")
```

```
Addresslb1.grid(row=5,column=0,padx=10,pady=5,sticky=W)
```

```
Addresstxt =  
Entry(Data_FrameLeft,font=("arial",12,"bold"),width=27,textvariable=PatientAddress)
```

```
Addresstxt.grid(row=5,column=1,padx=10,pady=5,sticky=E)
```

```
NHSnumberlb1=Label(Data_FrameLeft,font=("arial",12,"bold"),width=20,text="NHS unique number",padx=2,bg="#0099cc")
```

```
NHSnumberlb1.grid(row=6,column=0,padx=10,pady=5,sticky=W)
```

```
NHSnumbertxt =  
Entry(Data_FrameLeft,font=("arial",12,"bold"),width=27,textvariable=NHSnumber)
```

```
NHSnumbertxt.grid(row=6,column=1,padx=10,pady=5,sticky=E)
```

```
Tabletlb1=Label(Data_FrameLeft,font=("arial",12,"bold"),width=20,text="Tablet",padx=2,bg="#0099cc")
```

```
Tabletlb1.grid(row=7,column=0,padx=10,pady=5,sticky=W)
```

```
Tabletcmb =  
ttk.Combobox(Data_FrameLeft,textvariable=cmbTabletNames,width=25,state="readonly",font=("arial",12,"bold"))
```

```
Tabletcmb['values'] = ("","Dan-p","Dio-1 one","Calpol","Amlodipine  
Besylate","Nexium","Singulair",  
"Plavix","Amoxicilian","Azithromycin","Lincin-900")
```

```
Tabletcmb.current(0)
```

```
Tabletcmb.grid(row=7,column=1,pady=5)
```

```
No_of_Tabletslb1=Label(Data_FrameLeft,font=("arial",12,"bold"),width=20,text="Number of  
Tablets",padx=2,bg="#0099cc")
```

```
No_of_Tabletslb1.grid(row=8,column=0,padx=10,pady=5,sticky=W)
```

```
No_of_Tablestxt =  
Entry(Data_FrameLeft,font=("arial",12,"bold"),width=27,textvariable=Number_of_Tablets)
```

```
No_of_Tablestxt.grid(row=8,column=1,padx=10,pady=5,sticky=E)
```

```
HospitalCodelb1=Label(Data_FrameLeft,font=("arial",12,"bold"),width=20,text="Hospital  
Code",padx=2,bg="#0099cc")
```

```
HospitalCodelb1.grid(row=0,column=2,padx=10,pady=5,sticky=W)
```

```
HospitalCodetxt =  
Entry(Data_FrameLeft,font=("arial",12,"bold"),width=25,textvariable=HospitalCode)  
  
HospitalCodetxt.grid(row=0,column=3,padx=10,pady=5,sticky=E)
```

```
StorageAdvice1b1=Label(Data_FrameLeft,font=("arial",12,"bold"),width=20,text="Storage  
Advice",padx=2,bg="#0099cc")  
  
StorageAdvice1b1.grid(row=1,column=2,padx=10,pady=5,sticky=W)
```

```
StorageAdvicecmb =  
ttk.Combobox(Data_FrameLeft,textvariable=StorageAdvice,width=23,state="readonly",font=("arial",  
12,"bold"))
```

```
StorageAdvicecmb['values'] = ("","under room temp","below 5*C","below 0*C","Refrigerator")  
  
StorageAdvicecmb.current(0)  
  
StorageAdvicecmb.grid(row=1,column=3,padx=10,pady=5,sticky=E)
```

```
Lot_nolb1=Label(Data_FrameLeft,font=("arial",12,"bold"),width=20,text="LOT  
Number",padx=2,bg="#0099cc")  
  
Lot_nolb1.grid(row=2,column=2,padx=10,pady=5,sticky=W)  
  
Lot_notxt = Entry(Data_FrameLeft,font=("arial",12,"bold"),width=25,textvariable=Lot)  
  
Lot_notxt.grid(row=2,column=3,padx=10,pady=5,sticky=E)
```

```
IssuedDate1b1=Label(Data_FrameLeft,font=("arial",12,"bold"),width=20,text="Date of  
Issue",padx=2,bg="#0099cc")  
  
IssuedDate1b1.grid(row=3,column=2,padx=10,pady=5,sticky=W)
```

```
IssuedDatetxt =  
Entry(Data_FrameLeft,font=("arial",12,"bold"),width=25,textvariable=IssuedDate)  
IssuedDatetxt.grid(row=3,column=3,padx=10,pady=5,sticky=E)
```

```
ExpiryDatelb1=Label(Data_FrameLeft,font=("arial",12,"bold"),width=20,text="Date of  
Expiry",padx=2,bg="#0099cc")
```

```
ExpiryDatelb1.grid(row=4,column=2,padx=10,pady=5,sticky=W)
```

```
ExpiryDatetxt =  
Entry(Data_FrameLeft,font=("arial",12,"bold"),width=25,textvariable=ExpiryDate)  
ExpiryDatetxt.grid(row=4,column=3,padx=10,pady=5,sticky=E)
```

```
Dailydoselb1=Label(Data_FrameLeft,font=("arial",12,"bold"),width=20,text="Daily  
Dosage",padx=2,bg="#0099cc")
```

```
Dailydoselb1.grid(row=5,column=2,padx=10,pady=5,sticky=W)
```

```
Dailydosetxt = Entry(Data_FrameLeft,font=("arial",12,"bold"),width=25,textvariable=DailyDose)
```

```
Dailydosetxt.grid(row=5,column=3,padx=10,pady=5,sticky=E)
```

```
SideEffects1b1=Label(Data_FrameLeft,font=("arial",12,"bold"),width=20,text="Side  
Effects",padx=2,bg="#0099cc")
```

```
SideEffects1b1.grid(row=6,column=2,padx=10,pady=5,sticky=W)
```

```
SideEffectstxt =  
Entry(Data_FrameLeft,font=("arial",12,"bold"),width=25,textvariable=SideEffets)
```

```
SideEffectstxt.grid(row=6,column=3,padx=10,pady=5,sticky=E)
```



```
MoreInformationlb1=Label(Data_FrameLeft,font=("arial",12,"bold"),width=20,text="More  
Information",padx=2,bg="#0099cc")
```

```
MoreInformationlb1.grid(row=7,column=2,padx=10,pady=5,sticky=W)
```

```
MoreInformationtxt =  
Entry(Data_FrameLeft,font=("arial",12,"bold"),width=25,textvariable=MoreInformation)
```

```
MoreInformationtxt.grid(row=7,column=3,padx=10,pady=5,sticky=E)
```

```
Medicationlb1=Label(Data_FrameLeft,font=("arial",12,"bold"),width=20,text="Medication",padx=2,  
bg="#0099cc")
```

```
Medicationlb1.grid(row=8,column=2,padx=10,pady=5,sticky=W)
```

```
Medicationtxt =  
Entry(Data_FrameLeft,font=("arial",12,"bold"),width=25,textvariable=Medication)
```

```
Medicationtxt.grid(row=8,column=3,padx=10,pady=5,sticky=E)
```

```
TextPrescription =  
Text(Data_FrameRight,font=("arail",12,"bold"),width=74,height=17,padx=0,pady=9)
```

```
TextPrescription.grid(row=0,column=0)
```

```
TextPrescriptionData = Text(Data_Framedata,font=("arail",12,"bold"),width=185,height=12)
```

```
TextPrescriptionData.grid(row=1,column=0)
```

```
Prescriptionbtn =  
Button(Button_Frame,text="Prescription",bg="#ffaab0",activebackground="#fcceb2",font=("arial",1  
5,"bold"),width=25,command=prescriptionfunc)
```

```
Prescriptionbtn.grid(row=0,column=0,padx=15)
```

```
Receiptbtn =  
Button(Button_Frame,text="Receipt",bg="#ffaab0",activebackground="#fcceb2",font=("arial",15,"bold"),width=25,command=prescriptiondatafunc)
```

```
Receiptbtn.grid(row=0,column=1,padx=15)
```

```
Resetbtn =  
Button(Button_Frame,text="Reset",bg="#ffaab0",activebackground="#fcceb2",font=("arial",15,"bold"),width=25,command=resetfunc)
```

```
Resetbtn.grid(row=0,column=2,padx=15)
```

```
Deletebtn =  
Button(Button_Frame,text="Delete",bg="#ffaab0",activebackground="#fcceb2",font=("arial",15,"bold"),width=24,command=deletefunc)
```

```
Deletebtn.grid(row=0,column=3,padx=15)
```

```
Exitbtn =  
Button(Button_Frame,text="Exit",bg="#ffaab0",activebackground="#fcceb2",font=("arial",15,"bold"),width=24,command=exitbtn)
```

```
Exitbtn.grid(row=0,column=4,padx=15)
```

```
prescriptiondatarow = Label(Data_Framedata,bg="white",font=("arial",12,"bold"),text ="Date  
\tReference Id    \tPatient Id    \t Patient Name    \tDate of Birth    \tNHS Number  
\tTablet    \tNo of Tablets    \tIssued Date    \tExpiry Date    \tDaily Dosage    \tStorage  
Advice\t\n")
```

```
prescriptiondatarow.grid(row=0,column=0,sticky=W)
```

```
class windows4:
```

```
    def __init__(self,master):
```

```

self.master = master

self.master.title("DOCTOR MANAGEMENT SYSTEM")

self.master.geometry('1350x750+0+0')

self.frame = Frame(self.master)

self.frame.pack()

class windows5:

    def __init__(self, master):

        self.master = master

        self.master.title("MEDICINE SYSTEM")

        self.master.geometry('1350x750+0+0')

        self.frame = Frame(self.master)

        self.frame.pack()

if __name__ == "__main__":
    main()

```

OUTPUT :



PHARMACY MANAGEMENT SYSTEM

PHARMACY MANAGEMENT

User Name

Password

Login Reset Exit

Patient registration window Hospital registration window

Doctor management window Medicine stock window

PATIENT REGISTRATION SYSTEM

Member registration form

| Date | Ref Id | First name | Last name | Mobile no | Address | Pincode | Gender | Membership |
|-----------------|----------|------------|-----------|-----------|---------|---------|--------|------------|
| Date | 26/01/23 | | | | | | | |
| Reference ID | | | | | | | | |
| First Name | | | | | | | | |
| Last Name | | | | | | | | |
| Mobile no | | | | | | | | |
| Address | | | | | | | | |
| Pincode | | | | | | | | |
| Gender | | | | | | | | |
| ID Proof | | | | | | | | |
| Member type | | | | | | | | |
| Member type | | | | | | | | |
| Membership fees | | | | | | | | 0 |

Receipt Reset Exit

Member registration form

| Patient details | | Date | Ref Id | First name | Last name | Mobile no | Address | Pincode | Gender | Membership |
|-----------------|--|------|--------|------------|-----------|-----------|---------|---------|--------|------------|
| Date | <input type="text" value="26/01/23"/> | | | | | | | | | |
| Reference ID | <input type="text"/> | | | | | | | | | |
| First Name | <input type="text" value="Kim Tae"/> | | | | | | | | | |
| Last Name | <input type="text" value="Ri"/> | | | | | | | | | |
| Mobile no | <input type="text" value="9876543210"/> | | | | | | | | | |
| Address | <input type="text" value="Madurai"/> | | | | | | | | | |
| Pincode | <input type="text" value="625011"/> | | | | | | | | | |
| Gender | <input type="text" value="Female"/> | | | | | | | | | |
| ID Proof | <input type="text" value="Driving liscence"/> | | | | | | | | | |
| Member type | <input type="text" value="Pay when leaving"/> | | | | | | | | | |
| Member type | <input type="text" value="Debit card - Mastercard"/> | | | | | | | | | |
| Membership fees | <input type="text" value="10000Rs"/> | | | | | | | | | |

Receipt

Reset

Exit

Member registration form

| Patient details | | Date | Ref Id | First name | Last name | Mobile no | Address | Pincode | Gender | Membership |
|-----------------|--|----------|---------|------------|-----------|------------|---------|---------|--------|------------|
| Date | <input type="text" value="26/01/23"/> | 26/01/23 | 4557323 | Kim Tae | Ri | 9876543210 | Madurai | 625011 | Female | 10000Rs |
| Reference ID | <input type="text" value="4557323"/> | | | | | | | | | |
| First Name | <input type="text" value="Kim Tae"/> | | | | | | | | | |
| Last Name | <input type="text" value="Ri"/> | | | | | | | | | |
| Mobile no | <input type="text" value="9876543210"/> | | | | | | | | | |
| Address | <input type="text" value="Madurai"/> | | | | | | | | | |
| Pincode | <input type="text" value="625011"/> | | | | | | | | | |
| Gender | <input type="text" value="Female"/> | | | | | | | | | |
| ID Proof | <input type="text" value="Driving liscence"/> | | | | | | | | | |
| Member type | <input type="text" value="Pay when leaving"/> | | | | | | | | | |
| Member type | <input type="text" value="Debit card - Mastercard"/> | | | | | | | | | |
| Membership fees | <input type="text" value="10000Rs"/> | | | | | | | | | |

Receipt

Reset

Exit

Hospital Management System

General Information

| | | | |
|---------------------|---------------------|------------------|-----------------|
| Date | 26/01/23 | Hospital Code | 1234 |
| Registration Number | | Storage Advice | under room temp |
| Patient Id | 1234 | LOT Number | 1234 |
| Patient Name | Kim Tae Ri | Date of Issue | 09/04/2004 |
| Date Of Birth | 09/04/2004 | Date of Expiry | 09/04/2004 |
| Address | Madurai | Daily Dosage | 1 |
| NHS unique number | 1234 | Side Effects | Head ache |
| Tablet | Amlodipine Besylate | More Information | - |
| Number of Tablets | 2 | Medication | - |

Prescription

Prescription

Receipt

Reset

Delete

Exit

Prescription data

| Date | Reference Id | Patient Id | Patient Name | Date of Birth | NHS Number | Tablet | No of Tablets | Issued Date | Expiry Date | Daily Dosage | Storage Advice |
|------|--------------|------------|--------------|---------------|------------|--------|---------------|-------------|-------------|--------------|----------------|
|------|--------------|------------|--------------|---------------|------------|--------|---------------|-------------|-------------|--------------|----------------|

Hospital Management System

General Information

| | | | |
|---------------------|---------------------|------------------|-----------------|
| Date | 26/01/23 | Hospital Code | 1234 |
| Registration Number | 8846819 | Storage Advice | under room temp |
| Patient Id | 1234 | LOT Number | 1234 |
| Patient Name | Kim Tae Ri | Date of Issue | 09/04/2004 |
| Date Of Birth | 09/04/2004 | Date of Expiry | 09/04/2004 |
| Address | Madurai | Daily Dosage | 1 |
| NHS unique number | 1234 | Side Effects | Head ache |
| Tablet | Amlodipine Besylate | More Information | - |
| Number of Tablets | 2 | Medication | - |

Prescription

Patient ID: 1234
Patient Name: Kim Tae Ri
Tablet: Amlodipine Besylate
Number of Tablets: 2
Daily Dose: 1
Issued date: 09/04/2004
Expiry date: 09/04/2004
Storage: under room temp
More Information: -

Prescription

Receipt

Reset

Delete

Exit

Prescription data

| Date | Reference Id | Patient Id | Patient Name | Date of Birth | NHS Number | Tablet | No of Tablets | Issued Date | Expiry Date | Daily Dosage | Storage Advice |
|------|--------------|------------|--------------|---------------|------------|--------|---------------|-------------|-------------|--------------|----------------|
|------|--------------|------------|--------------|---------------|------------|--------|---------------|-------------|-------------|--------------|----------------|

Hospital Management System

General Information

| | | | |
|---------------------|---------------------|------------------|-----------------|
| Date | 26/01/23 | Hospital Code | 1234 |
| Registration Number | 6164449 | Storage Advice | under room temp |
| Patient Id | 1234 | LOT Number | 1234 |
| Patient Name | Kim Tae Ri | Date of Issue | 09/04/2004 |
| Date Of Birth | 09/04/2004 | Date of Expiry | 09/04/2004 |
| Address | Madurai | Daily Dosage | 1 |
| NHS unique number | 1234 | Side Effects | Head ache |
| Tablet | Amlodipine Besylate | More Information | - |
| Number of Tablets | 2 | Medication | - |

Prescription

Patient ID: 1234
Patient Name: Kim Tae Ri
Tablet: Amlodipine Besylate
Number of Tablets: 2
Daily Dose: 1
Issued date: 09/04/2004
Expiry date: 09/04/2004
Storage: under room temp
More Information: -

Prescription

Receipt

Reset

Delete

Exit

Prescription data

| Date | Reference Id | Patient Id | Patient Name | Date of Birth | NHS Number | Tablet | No of Tablets | Issued Date | Expiry Date | Daily Dosage | Storage Advice |
|----------|--------------|------------|--------------|---------------|------------|---------------------|---------------|-------------|-------------|--------------|-----------------|
| 26/01/23 | 6164449 | 1234 | Kim Tae Ri | 09/04/2004 | 1234 | Amlodipine Besylate | 2 | 09/04/2004 | 09/04/2004 | 1 | under room temp |

Hospital Management System

General Information

| | | | |
|---------------------|----------|------------------|--|
| Date | 26/01/23 | Hospital Code | |
| Registration Number | | Storage Advice | |
| Patient Id | | LOT Number | |
| Patient Name | | Date of Issue | |
| Date Of Birth | | Date of Expiry | |
| Address | | Daily Dosage | |
| NHS unique number | | Side Effects | |
| Tablet | | More Information | |
| Number of Tablets | | Medication | |

Prescription

Prescription

Receipt

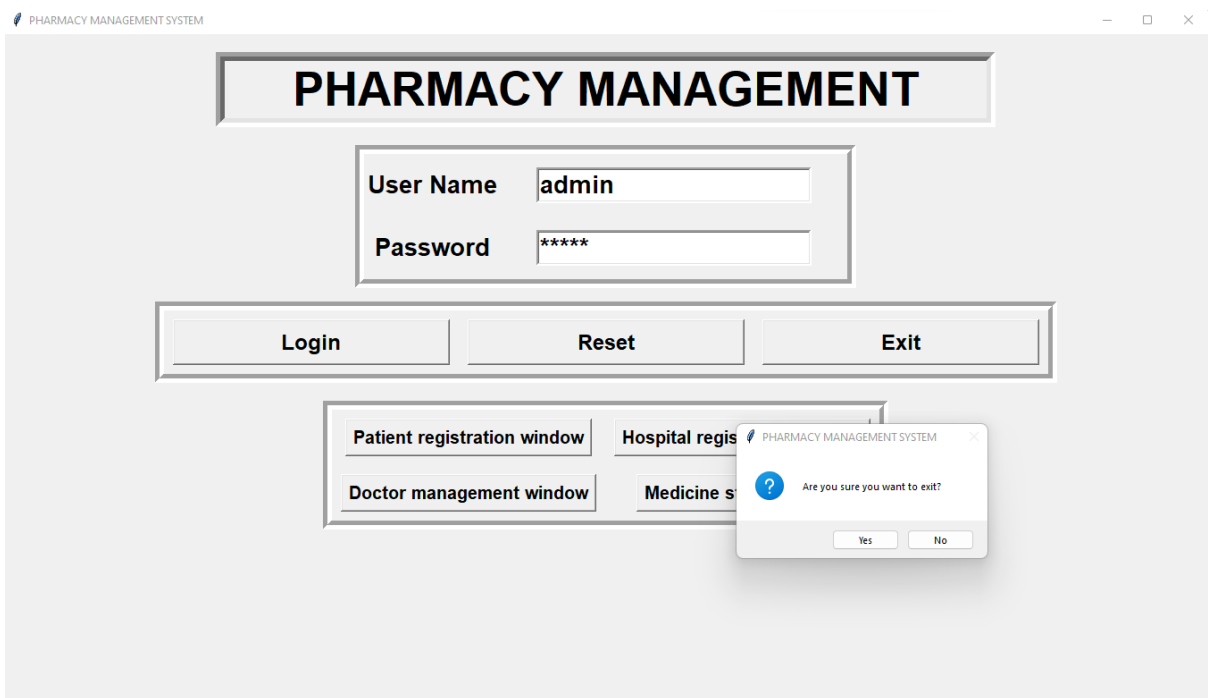
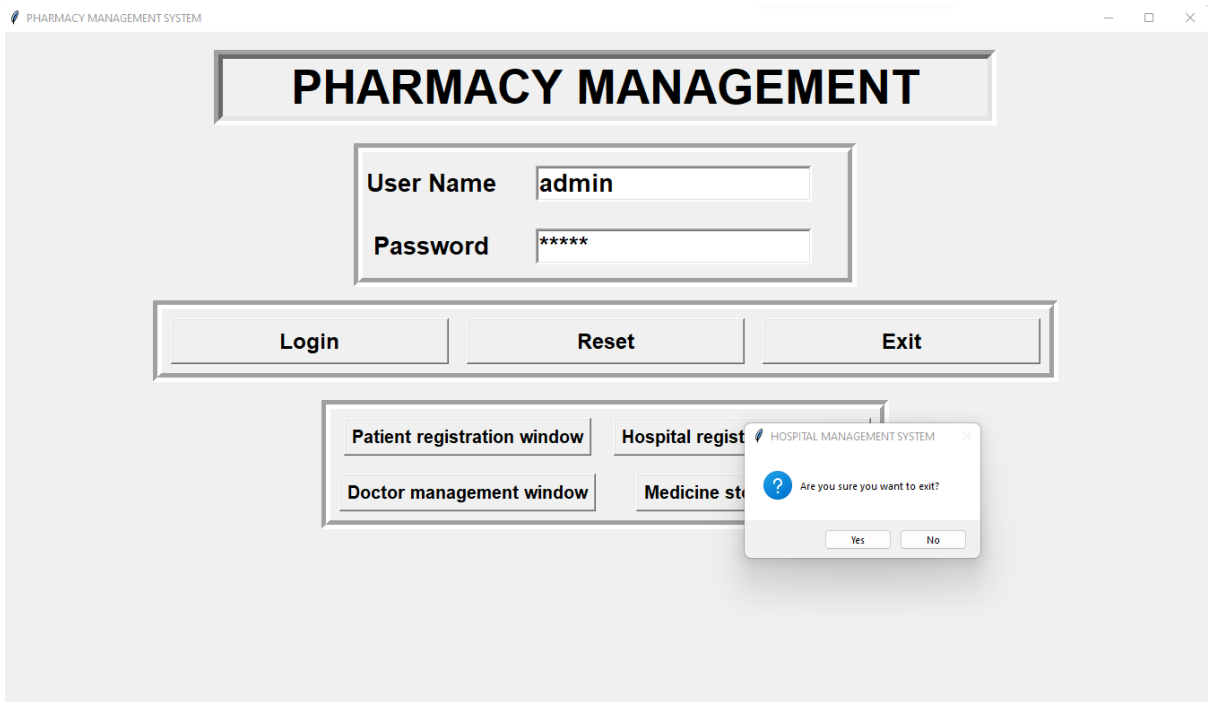
Reset

Delete

Exit

Prescription data

| Date | Reference Id | Patient Id | Patient Name | Date of Birth | NHS Number | Tablet | No of Tablets | Issued Date | Expiry Date | Daily Dosage | Storage Advice |
|----------|--------------|------------|--------------|---------------|------------|---------------------|---------------|-------------|-------------|--------------|-----------------|
| 26/01/23 | 6164449 | 1234 | Kim Tae Ri | 09/04/2004 | 1234 | Amlodipine Besylate | 2 | 09/04/2004 | 09/04/2004 | 1 | under room temp |



RESULT :

The above program is successfully executed and output is verified .