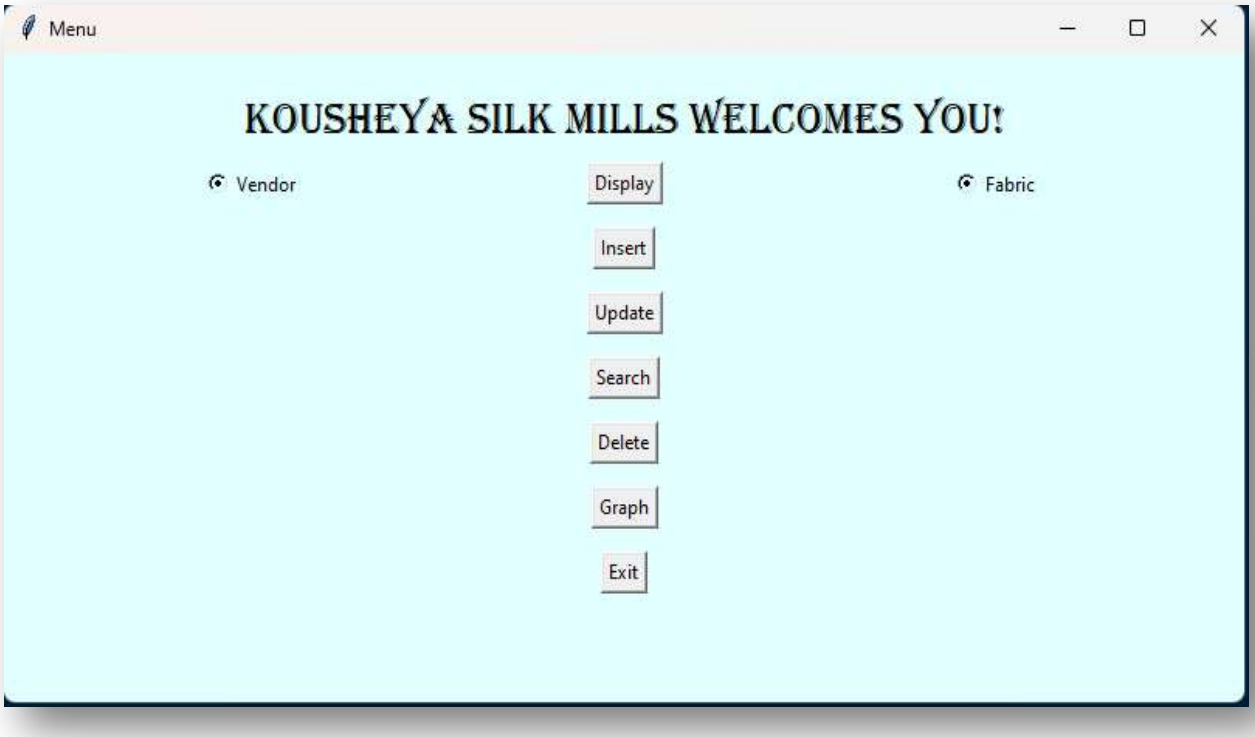
FRONT END:

- ## USER INTERFACE SCREEN

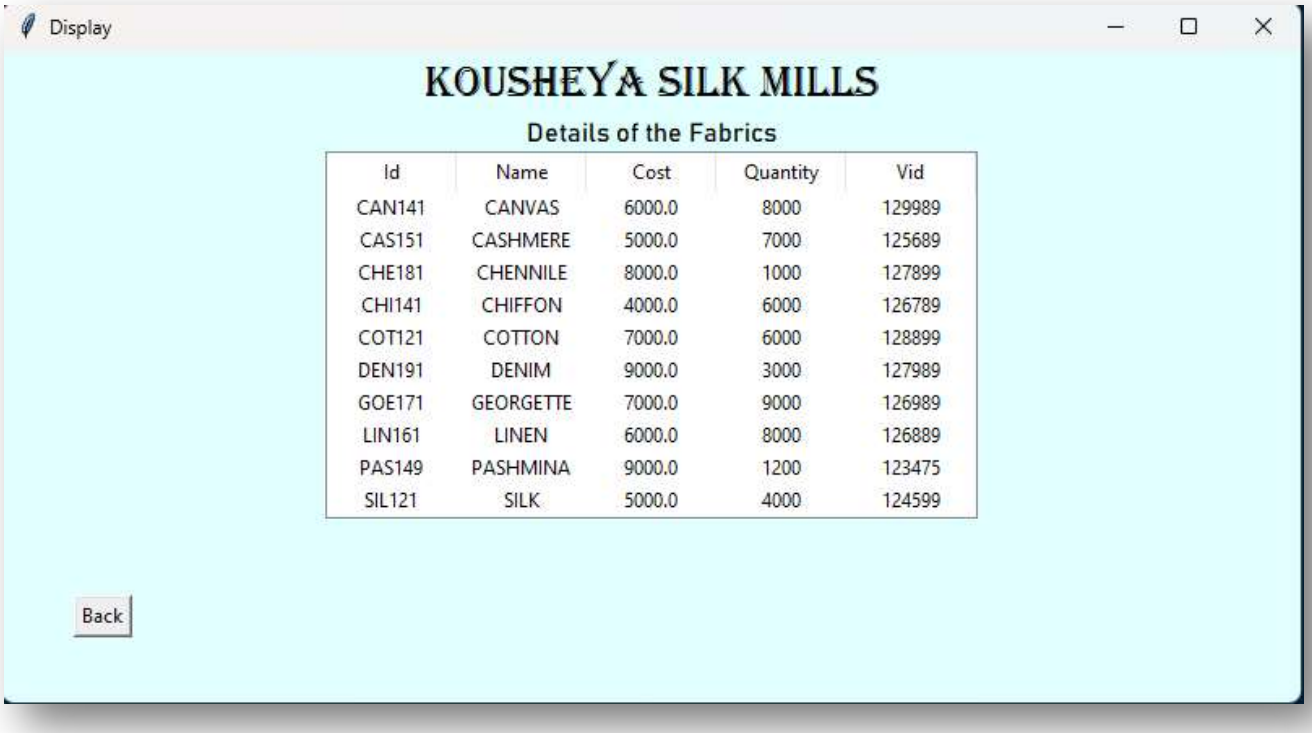
Login Form: User will login here.

Choices Window: User is given various choices to proceed.



Display Window: Data is displayed here according to chosen option.

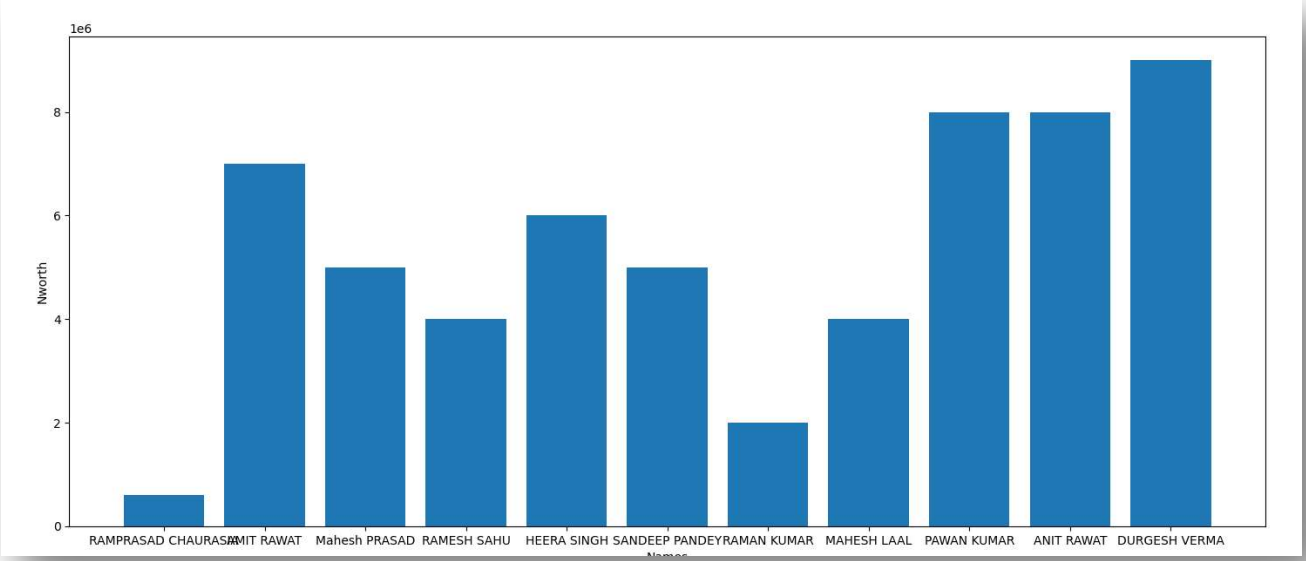
Id	Name	DOF	Nworth	City
123475	RAMPRASAD	1967-09-02	600000.0	PATNA
124599	AMIT RAWAT	1980-09-05	7000000.0	AJMER
125689	Mahesh PRAS	1989-10-25	5000000.0	LUCKNOW
125989	RAMESH SAH	1984-08-30	4000000.0	KOLKATA
126789	HEERA SINGH	1960-06-15	6000000.0	SURAT
126889	SANDEEP PAI	1990-10-10	5000000.0	HYDERABAD
126989	RAMAN KUM	1995-05-25	2000000.0	KANPUR
127899	MAHESH LAA	1975-10-20	4000000.0	LUDHIANA
127989	PAWAN KUM	1955-10-20	8000000.0	MUMBAI
128899	ANIT RAWAT	1965-07-30	8000000.0	AGRA

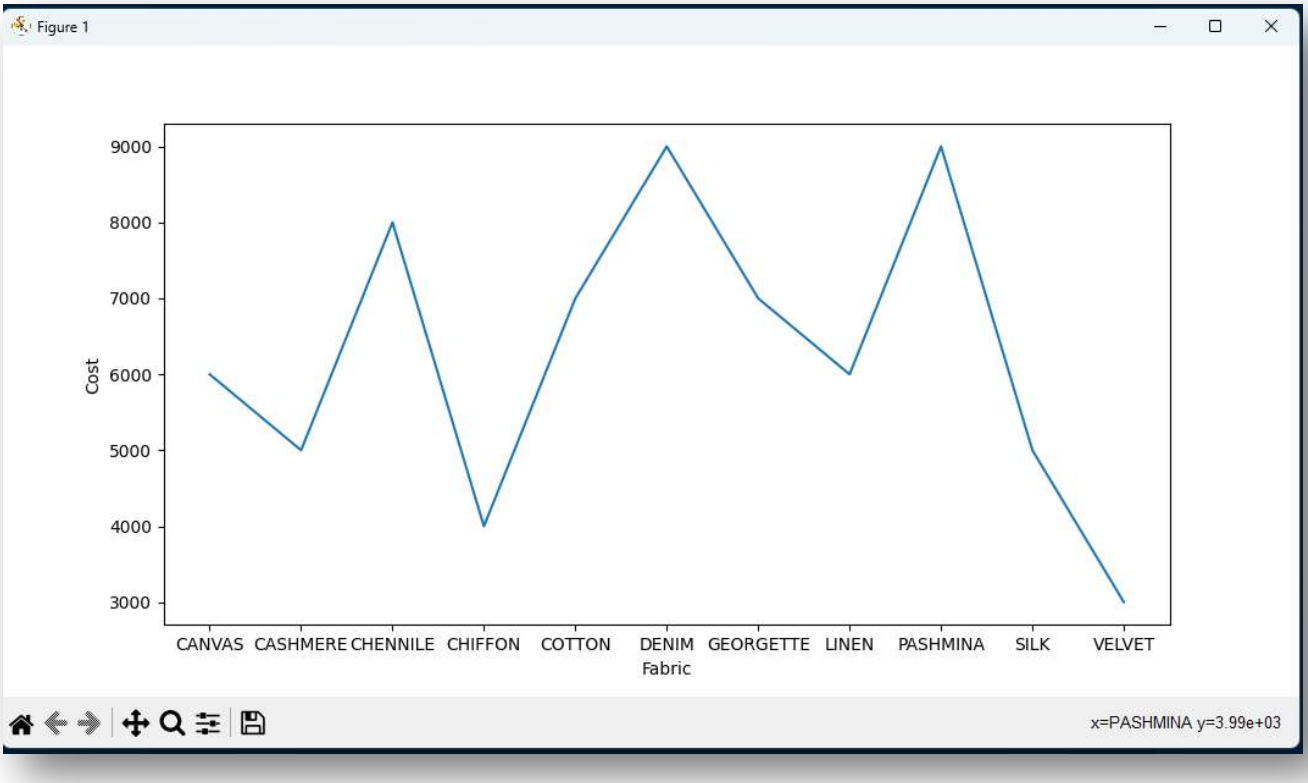


Insert Window: User can enter data here.

Search Window: Existing data can be found here.

Graphs: Vendor with their Networth and Fabric with their cost.





Exit Window: Exiting the form.

BACK END:

- ## MYSQL TABLE STRUCTURE

Vendor Table:

```
mysql> desc vendor;
+--------+----------+------+-----+---------+-------+
| Field  | Type     | Null | Key | Default | Extra |
+--------+----------+------+-----+---------+-------+
| vid    | int(6)   | NO   | PRI | NULL    |       |
| vname  | char(20) | YES  |     | NULL    |       |
| DOF    | date     | YES  |     | NULL    |       |
| Nworth | double   | YES  |     | NULL    |       |
| City   | char(10) | YES  |     | NULL    |       |
+--------+----------+------+-----+---------+-------+
5 rows in set (0.19 sec)

mysql> select * from vendor;
+--------+----------------+------------+---------+-----------+
| vid    | vname          | DOF        | Nworth  | City      |
+--------+----------------+------------+---------+-----------+
| 124599 | AMIT RAWAT     | 1980-09-05 | 7000000 | AJMER     |
| 125689 | Mahesh PRASAD  | 1989-10-25 | 5000000 | LUCKNOW   |
| 125989 | RAMESH SAHU    | 1984-08-30 | 4000000 | KOLKATTA  |
| 126789 | HEERA SINGH    | 1960-06-15 | 6000000 | SURAT     |
| 126889 | SANDEEP PANDEY | 1990-10-10 | 5000000 | HYDERABAD |
| 126989 | RAMAN KUMAR    | 1995-05-25 | 2000000 | KANPUR    |
| 127899 | Mahesh Laal    | 1975-10-20 | 4000000 | LUDHIANA  |
| 127989 | PAWAN KUMAR    | 1955-10-20 | 8000000 | MUMBAI    |
| 128899 | ANIT RAWAT     | 1965-07-30 | 8000000 | AGRA      |
| 129989 | DURGESH VERMA  | 1985-10-15 | 9000000 | AMRITSAR  |
+--------+----------------+------------+---------+-----------+
```

Fabric Table:

```
mysql> desc fabric;
+----------+------------+------+-----+---------+-------+
| Field    | Type       | Null | Key | Default | Extra |
+----------+------------+------+-----+---------+-------+
| Fcode    | varchar(6) | NO   | PRI |         |       |
| Fname    | char(20)   | YES  |     | NULL    |       |
| Cost     | double     | YES  |     | NULL    |       |
| Quantity | int(11)    | YES  |     | NULL    |       |
| vid      | int(6)     | YES  | MUL | NULL    |       |
+----------+------------+------+-----+---------+-------+
5 rows in set (0.05 sec)

mysql> select * from fabric;
+--------+-----------+------+----------+--------+
| Fcode  | Fname     | Cost | Quantity | vid    |
+--------+-----------+------+----------+--------+
| CAN141 | CANVAS    | 6000 |     8000 | 129989 |
| CAS151 | CASHMERE  | 5000 |     7000 | 125689 |
| CHE181 | CHENNILE  | 8000 |     1000 | 127899 |
| CHI141 | CHIFFON   | 4000 |     6000 | 126789 |
| COT121 | COTTON    | 7000 |     6000 | 128899 |
| DEN191 | DENIM     | 9000 |     3000 | 127989 |
| GOE171 | GEORGETTE | 7000 |     9000 | 126989 |
| LIN161 | LINEN     | 6000 |     8000 | 126889 |
| SIL121 | SILK      | 2000 |     4000 | 124599 |
| VEL131 | VELVET    | 3000 |     5000 | 125989 |
+--------+-----------+------+----------+--------+
10 rows in set (0.00 sec)
```

- # PROGRAM CODE

```
#-----------------------------------------------------------Start-----------------------------------------------------
import mysql.connector as p
import matplotlib.pyplot as plt            #importing required modules
import tkinter as tk
cn=p.connect(host='localhost',user='root',passwd='batakh',database='Project32')
#establishing connection
#-----------------------------------------------------------Insert----------------------------------------------------
def p_insert():
    def extra():
        z=var.get()
        def extra2():
            ins.destroy()
            menu()
        if z=='vendor':
            def extra1():
                a=E1.get()
                b=E2.get()
                c=E3.get()     #getting values from entries
                d=E4.get()
                e=E5.get()
                w=(a,b,c,d,e)
                cr=cn.cursor()
                q="insert into vendor values {}".format(w)
                cr.execute(q)  #executing query
                cn.commit()
                ins.destroy()
```

```
    menu()
ins=tk.Tk()#creating window
Choices.destroy() #destroying old window
ins.geometry('800x400')
ins['background']='light cyan'
ins.title('Insert')
M1=tk.Label(ins,text='Kousheya Silk Mills',justify='center',font=('Algerian',20))
M1.place(relx=0.5,rely=0.1,anchor='center')
M1['background']='light cyan'
M2=tk.Label(ins,text='Insert The Values:',justify='center',font=('Calibri',15))
M2.place(relx=0.5,rely=0.2,anchor='center')
M2['background']='light cyan'
L1=tk.Label(ins,text='Vid:',justify='center')
L1.place(relx=0.4,rely=0.3,anchor='center')
L1['background']='light cyan'#labels&Entries
E1=tk.Entry(ins)
E1.place(relx=0.5,rely=0.3,anchor='center')
L2=tk.Label(ins,text='Vname:',justify='center')
L2.place(relx=0.4,rely=0.4,anchor='center')
L2['background']='light cyan'
E2=tk.Entry(ins)
E2.place(relx=0.5,rely=0.4,anchor='center')
L3=tk.Label(ins,text='DOF:',justify='center')
L3.place(relx=0.4,rely=0.5,anchor='center')
L3['background']='light cyan'
E3=tk.Entry(ins)
E3.place(relx=0.5,rely=0.5,anchor='center')
L4=tk.Label(ins,text='Nworth:',justify='center')
L4.place(relx=0.4,rely=0.6,anchor='center')
```

```
    L4['background']='light cyan'
    E4=tk.Entry(ins)
    E4.place(relx=0.5,rely=0.6,anchor='center')
    L5=tk.Label(ins,text='City:',justify='center')
    L5.place(relx=0.4,rely=0.7,anchor='center')
    L5['background']='light cyan'
    E5=tk.Entry(ins)
    E5.place(relx=0.5,rely=0.7,anchor='center')
    B1=tk.Button(ins,text='SUBMIT',command=extra1,justify='center')
    B1.place(relx=0.5,rely=0.8,anchor='center')
    Bx=tk.Button(ins,text='Back',command=extra2)
    Bx.place(relx=0.1,rely=0.9,anchor='se')
elif z=='fabric':
    def extra1():
        a=E1.get()
        b=E2.get()
        c=E3.get()     #getting values from entries
        d=E4.get()
        e=E5.get()
        w=(a,b,c,d,e)
        cr=cn.cursor()
        q="insert into fabric values {}".format(w)
        cr.execute(q)  #executing query
        cn.commit()
        ins.destroy()
        menu()
    ins=tk.Tk() #creating window
    Choices.destroy() #destroying old window
    ins.geometry('800x400')
```

```
ins['background']='light cyan'
ins.title('Insert')
M1=tk.Label(ins,text='Kousheya Silk Mills',justify='center',font=('Algerian',20))
M1.place(relx=0.5,rely=0.1,anchor='center')
M1['background']='light cyan'
M2=tk.Label(ins,text='Insert The Values:',justify='center',font=('Calibri',15))
M2.place(relx=0.5,rely=0.2,anchor='center')
M2['background']='light cyan'
L1=tk.Label(ins,text='Fcode:',justify='center')
L1.place(relx=0.4,rely=0.3,anchor='center')
L1['background']='light cyan'#labels&Entries
E1=tk.Entry(ins)
E1.place(relx=0.5,rely=0.3,anchor='center')
L2=tk.Label(ins,text='Fname:',justify='center')
L2.place(relx=0.4,rely=0.4,anchor='center')
L2['background']='light cyan'
E2=tk.Entry(ins)
E2.place(relx=0.5,rely=0.4,anchor='center')
L3=tk.Label(ins,text='Cost:',justify='center')
L3.place(relx=0.4,rely=0.5,anchor='center')
L3['background']='light cyan'
E3=tk.Entry(ins)
E3.place(relx=0.5,rely=0.5,anchor='center')
L4=tk.Label(ins,text='Quantity:',justify='center')
L4.place(relx=0.4,rely=0.6,anchor='center')
L4['background']='light cyan'
E4=tk.Entry(ins)
E4.place(relx=0.5,rely=0.6,anchor='center')
L5=tk.Label(ins,text='Vid:',justify='center')
```

```
        L5.place(relx=0.4,rely=0.7,anchor='center')
        L5['background']='light cyan'
        E5=tk.Entry(ins)
        E5.place(relx=0.5,rely=0.7,anchor='center')
        B1=tk.Button(ins,text='SUBMIT',command=extra1,justify='center')
        B1.place(relx=0.5,rely=0.8,anchor='center')
        Bx=tk.Button(ins,text='Back',command=extra2)
        Bx.place(relx=0.1,rely=0.9,anchor='se')
    var=tk.StringVar()
    R1=tk.Radiobutton(Choices, text="Vendor", variable=var,
value='vendor',command=extra)
    R1.place(relx=0.2,rely=0.3,anchor='center')
    R1['background']='light cyan'
    R2=tk.Radiobutton(Choices, text="Fabric", variable=var, value='fabric',command=extra)
    R2.place(relx=0.8,rely=0.3,anchor='center')
    R2['background']='light cyan'
#-----------------------------------------------------------Display-----------------------------------------
------------
def p_display():
    from tkinter import ttk
    def extra():
        x=var.get()
        if x=='vendor':
            def extra2():
                disp.destroy()
                menu()
            Choices.destroy()
            disp=tk.Tk()
            disp.geometry('800x400')
```

```
disp['background']='light cyan'
disp.title('Display')
M1=tk.Label(disp,text='Kousheya Silk Mills',justify='center',font=('Algerian',20))
M1.pack(side=tk.TOP)
M2=tk.Label(disp,text='Details of the Vendors',justify='center',font='Bahnschrift')
M2.pack(side=tk.TOP)
M1['background']='light cyan'
M2['background']='light cyan'
Bx=tk.Button(disp,text='Back',command=extra2)
Bx.place(relx=0.1,rely=0.9,anchor='se')
h=p_display1()
fr=tk.Frame(disp)
fr.pack(side=tk.BOTTOM)
table=ttk.Treeview(disp)
table['columns'] = ('Vid', 'Vname', 'DOF', 'Nworth', 'City')
table.column("#0", width=0,  stretch='NO')
table.column("Vid",anchor='center', width=80)
table.column("Vname",anchor='center',width=80)
table.column("DOF",anchor='center',width=80)
table.column("Nworth",anchor='center',width=80)
table.column("City",anchor='center',width=80)

table.heading("#0",text="",anchor='center')
table.heading("Vid",text="Id",anchor='center')
table.heading("Vname",text="Name",anchor='center')
table.heading("DOF",text="DOF",anchor='center')
table.heading("Nworth",text="Nworth",anchor='center')
table.heading("City",text="City",anchor='center')
```

```
    for k in range(len(h)):
        table.insert(parent='',index='end',iid=k,text='',values=h[k])
        table.pack()
elif x=='fabric':
    def extra2():
        disp.destroy()
        menu()
    Choices.destroy()
    disp=tk.Tk()
    disp.geometry('800x400')
    disp['background']='light cyan'
    disp.title('Display')
    i=p_display2()
    M1=tk.Label(disp,text='Kousheya Silk Mills',justify='center',font=('Algerian',20))
    M1.pack(side=tk.TOP)
    M2=tk.Label(disp,text='Details of the Fabrics',justify='center',font='Bahnschrift')
    M2.pack(side=tk.TOP)
    M1['background']='light cyan'
    M2['background']='light cyan'
    Bx=tk.Button(disp,text='Back',command=extra2)
    Bx.place(relx=0.1,rely=0.9,anchor='se')
    h=p_display2()
    fr=tk.Frame(disp)
    fr.pack(side=tk.BOTTOM)
    table=ttk.Treeview(disp)
    table['columns'] = ('Fcode', 'Fname', 'Cost', 'Quantity', 'Vid')
    table.column("#0", width=0,  stretch='NO')
    table.column("Fcode",anchor='center', width=80)
    table.column("Fname",anchor='center',width=80)
```

```
        table.column("Cost",anchor='center',width=80)
        table.column("Quantity",anchor='center',width=80)
        table.column("Vid",anchor='center',width=80)

        table.heading("#0",text="",anchor='center')
        table.heading("Fcode",text="Id",anchor='center')
        table.heading("Fname",text="Name",anchor='center')
        table.heading("Cost",text="Cost",anchor='center')
        table.heading("Quantity",text="Quantity",anchor='center')
        table.heading("Vid",text="Vid",anchor='center')

        for k in range(len(h)):
            table.insert(parent='',index='end',iid=k,text='',values=h[k])
            table.pack()
    var=tk.StringVar()
    R1=tk.Radiobutton(Choices, text="Vendor", variable=var,
value='vendor',command=extra)
    R1.place(relx=0.2,rely=0.2,anchor='center')
    R1['background']='light cyan'
    R2=tk.Radiobutton(Choices, text="Fabric", variable=var, value='fabric',command=extra)
    R2.place(relx=0.8,rely=0.2,anchor='center')
    R2['background']='light cyan'
#-----------------------------------------------------------Vendor-----------------------------------------------
------------
def p_display1():
    cr=cn.cursor()
    cr.execute("Select * from vendor")
    d=cr.fetchall()
    return d
```

```
#-----------------------------------------------------------Fabric-----------------------------------------------
-----------
def p_display2():
    cr=cn.cursor()
    cr.execute("Select * from fabric")
    d=cr.fetchall()
    return d
#-----------------------------------------------------------Delete-----------------------------------------------
-----------
def p_delete():
    def func():
        z=var1.get()
        if z=='vendor':
            def extra2():
                delt.destroy()
                menu()
            delt=tk.Tk()                                    #new window
            Choices.destroy()
            delt.geometry('800x400')
            delt['background']='light cyan'
            delt.title('Delete')
            M1=tk.Label(delt,text='Kousheya Silk Mills',justify='center',font=('Algerian',20))
            M1.place(relx=0.5,rely=0.1,anchor='center')
            M1['background']='light cyan'
            L1=tk.Label(delt,text='Vid of Vendor:',justify='center')
            L1.place(relx=0.4,rely=0.3,anchor='center')
            L1['background']='light cyan'#label&entries
            E1=tk.Entry(delt,justify='center')
            E1.place(relx=0.6,rely=0.3,anchor='center')
```

```
    def extra():
        a=E1.get()
        cr=cn.cursor()
        q="delete from vendor where Vid={}".format(a)       #executing queries
        cr.execute(q)
        cn.commit()
        delt.destroy()
        menu()
    B1=tk.Button(delt,text='Ok',command=extra)
    B1.place(relx=0.5,rely=0.5,anchor='center')
    Bx=tk.Button(delt,text='Back',command=extra2)
    Bx.place(relx=0.1,rely=0.9,anchor='se')
elif z=='fabric':
    def extra2():
        delt.destroy()
        menu()
    delt=tk.Tk()                                        #new window
    Choices.destroy()
    delt.geometry('800x400')
    delt['background']='light cyan'
    delt.title('Delete')
    M1=tk.Label(delt,text='Kousheya Silk Mills',justify='center',font=('Algerian',20))
    M1.place(relx=0.5,rely=0.1,anchor='center')
    M1['background']='light cyan'
    L1=tk.Label(delt,text='Fcode of Fabric:',justify='center')
    L1.place(relx=0.4,rely=0.3,anchor='center')
    L1['background']='light cyan'#label&entries
    E1=tk.Entry(delt,justify='center')
    E1.place(relx=0.6,rely=0.3,anchor='center')
```

```
        def extra():
            a=E1.get()
            cr=cn.cursor()
            q="delete from fabric where Fcode='{}'".format(a)       #executing queries
            cr.execute(q)
            cn.commit()
            delt.destroy()
            menu()
        B1=tk.Button(delt,text='Ok',command=extra)
        B1.place(relx=0.5,rely=0.5,anchor='center')
        Bx=tk.Button(delt,text='Back',command=extra2)
        Bx.place(relx=0.1,rely=0.9,anchor='se')
    var1=tk.StringVar()
    R1=tk.Radiobutton(Choices, text="Vendor", variable=var1,
value='vendor',command=func)
    R1.place(relx=0.2,rely=0.6,anchor='center')
    R1['background']='light cyan'
    R2=tk.Radiobutton(Choices, text="Fabric", variable=var1, value='fabric',command=func)
    R2.place(relx=0.8,rely=0.6,anchor='center')
    R2['background']='light cyan'
#------------------------------------------------------------Update-----------------------------------------------
------------
def p_update():
    def func():
        w=var1.get()
        if w=='vendor':
            def extra2():
                upd.destroy()
                menu()
```

```
def sel():
    cr=cn.cursor()
    x=var.get()
    if x=='vid' or x=='Nworth':
        def extra():
            xx=E1.get()
            yy=E2.get()
            q="update vendor set {}={} where Vid={}".format(x,xx,yy)
            cr.execute(q)
            cn.commit()
            upd.destroy()
            menu()
        L1=tk.Label(upd,text='New Value:',justify='center')
        L1.place(relx=0.54,rely=0.3,anchor='center')
        L1['background']='light cyan'#1
        E1=tk.Entry(upd,justify='center')
        E1.place(relx=0.54,rely=0.35,anchor='center')#2
        L2=tk.Label(upd,text='Whose value is to be updated:',justify='center')
        L2.place(relx=0.54,rely=0.4,anchor='center')
        L2['background']='light cyan'#3
        E2=tk.Entry(upd,justify='center')
        E2.place(relx=0.54,rely=0.45,anchor='center')#4
        B1=tk.Button(upd,text='OK',command=extra,justify='center')
        B1.place(relx=0.54,rely=0.5,anchor='center')#5
    elif x=='vname' or x=='dof' or x=='city':
        def extra():
            xx=E1.get()
            yy=E2.get()
            q="update vendor set {}='{}' where Vid={}".format(x,xx,yy)
```

```
            cr.execute(q)
            cn.commit()
            upd.destroy()
            menu()
        L1=tk.Label(upd,text='New Value:',justify='center')
        L1.place(relx=0.54,rely=0.3,anchor='center')
        L1['background']='light cyan'#1
        E1=tk.Entry(upd,justify='center')
        E1.place(relx=0.54,rely=0.35,anchor='center')#2
        L2=tk.Label(upd,text='Whose value is to be updated:',justify='center')
        L2.place(relx=0.54,rely=0.4,anchor='center')
        L2['background']='light cyan'#3
        E2=tk.Entry(upd,justify='center')
        E2.place(relx=0.54,rely=0.45,anchor='center')#4
        B1=tk.Button(upd,text='OK',command=extra,justify='center')
        B1.place(relx=0.54,rely=0.5,anchor='center')#5
Choices.destroy()
upd=tk.Tk()
var=tk.StringVar()
upd.geometry('800x400')
upd['background']='light cyan'
upd.title('Update')
M1=tk.Label(upd,text='Kousheya Silk Mills',justify='center',font=('Algerian',20))
M1.place(relx=0.5,rely=0.1,anchor='center')
M1['background']='light cyan'
R1=tk.Radiobutton(upd, text="Vid", variable=var, value='vid',command=sel)
R1.place(relx=0.2,rely=0.3,anchor='center')
R2=tk.Radiobutton(upd, text="Vname", variable=var, value='vname',command=sel)
R2.place(relx=0.2,rely=0.4,anchor='center')
```

```
        R3=tk.Radiobutton(upd, text="DOF", variable=var, value='dof',command=sel)
        R3.place(relx=0.2,rely=0.5,anchor='center')
        R4=tk.Radiobutton(upd, text="Nworth", variable=var,
value='Nworth',command=sel)
        R4.place(relx=0.2,rely=0.6,anchor='center')
        R5=tk.Radiobutton(upd, text="City", variable=var, value='city',command=sel)
        R5.place(relx=0.2,rely=0.7,anchor='center')
        Bx=tk.Button(upd,text='Back',command=extra2)
        Bx.place(relx=0.1,rely=0.9,anchor='se')
    elif w=='fabric':
        def extra2():
            upd.destroy()
            menu()
        def sel():
            cr=cn.cursor()
            x=var.get()
            if x=='cost' or x=='quantity' or x=='vid':
                def extra():
                    xx=E1.get()
                    yy=E2.get()
                    q="update fabric set {}={} where Fcode='{}'".format(x,xx,yy)
                    cr.execute(q)
                    cn.commit()
                    upd.destroy()
                    menu()
                L1=tk.Label(upd,text='New Value:',justify='center')
                L1.place(relx=0.54,rely=0.3,anchor='center')
                L1['background']='light cyan'#1
                E1=tk.Entry(upd,justify='center')
```

```
    E1.place(relx=0.54,rely=0.35,anchor='center')#2
    L2=tk.Label(upd,text='Whose value is to be updated:',justify='center')
    L2.place(relx=0.54,rely=0.4,anchor='center')
    L2['background']='light cyan'#3
    E2=tk.Entry(upd,justify='center')
    E2.place(relx=0.54,rely=0.45,anchor='center')#4
    B1=tk.Button(upd,text='OK',command=extra,justify='center')
    B1.place(relx=0.54,rely=0.5,anchor='center')#5
elif x=='fname' or x=='fcode':
    def extra():
        xx=E1.get()
        yy=E2.get()
        q="update fabric set {}='{}' where Fcode='{}'".format(x,xx,yy)
        cr.execute(q)
        cn.commit()
        upd.destroy()
        menu()
    L1=tk.Label(upd,text='New Value:',justify='center')
    L1.place(relx=0.54,rely=0.3,anchor='center')
    L1['background']='light cyan'#1
    E1=tk.Entry(upd,justify='center')
    E1.place(relx=0.54,rely=0.35,anchor='center')#2
    L2=tk.Label(upd,text='Whose value is to be updated:',justify='center')
    L2.place(relx=0.54,rely=0.4,anchor='center')
    L2['background']='light cyan'#3
    E2=tk.Entry(upd,justify='center')
    E2.place(relx=0.54,rely=0.45,anchor='center')#4
    B1=tk.Button(upd,text='OK',command=extra,justify='center')
    B1.place(relx=0.54,rely=0.5,anchor='center')#5
```

```
        Choices.destroy()
        upd=tk.Tk()
        var=tk.StringVar()
        upd.geometry('800x400')
        upd['background']='light cyan'
        upd.title('Update')
        M1=tk.Label(upd,text='Kousheya Silk Mills',justify='center',font=('Algerian',20))
        M1.place(relx=0.5,rely=0.1,anchor='center')
        M1['background']='light cyan'
        R1=tk.Radiobutton(upd, text="Fcode", variable=var, value='fcode',command=sel)
        R1.place(relx=0.2,rely=0.3,anchor='center')
        R2=tk.Radiobutton(upd, text="Fname", variable=var, value='fname',command=sel)
        R2.place(relx=0.2,rely=0.4,anchor='center')
        R3=tk.Radiobutton(upd, text="Cost", variable=var, value='cost',command=sel)
        R3.place(relx=0.2,rely=0.5,anchor='center')
        R4=tk.Radiobutton(upd, text="Quantity", variable=var,
value='quantity',command=sel)
        R4.place(relx=0.2,rely=0.6,anchor='center')
        R5=tk.Radiobutton(upd, text="Vid", variable=var, value='vid',command=sel)
        R5.place(relx=0.2,rely=0.7,anchor='center')
        Bx=tk.Button(upd,text='Back',command=extra2)
        Bx.place(relx=0.1,rely=0.9,anchor='se')#updating
    var1=tk.StringVar()
    R1=tk.Radiobutton(Choices, text="Vendor", variable=var1,
value='vendor',command=func)
    R1.place(relx=0.2,rely=0.4,anchor='center')
    R1['background']='light cyan'
    R2=tk.Radiobutton(Choices, text="Fabric", variable=var1, value='fabric',command=func)
    R2.place(relx=0.8,rely=0.4,anchor='center')
```

```
    R2['background']='light cyan'
#-------------------------------------------------------------Search-----------------------------------------------
------------
def p_search():
    def func():
        z=var1.get()
        if z=='vendor':
            def extra2():
                sear.destroy()
                menu()
            sear=tk.Tk()
            Choices.destroy()
            sear['background']='light cyan'
            sear.geometry('800x400')
            sear.title('Search')
            M1=tk.Label(sear,text='Kousheya Silk Mills',justify='center',font=('Algerian',20))
            M1.place(relx=0.5,rely=0.1,anchor='center')
            M1['background']='light cyan'
            L1=tk.Label(sear,text='Vid of Vendor:',justify='center')
            L1.place(relx=0.4,rely=0.3,anchor='center')
            L1['background']='light cyan'
            E1=tk.Entry(sear)
            E1.place(relx=0.6,rely=0.3,anchor='center')
            def extra():
                x=E1.get()
                h=p_display1()
                for k in h:
                    if int(x)==k[0]:
                        T=tk.Text(sear, height=6,width =40)                    #text field
```

```
                T.place(relx=0.5, rely=0.8, anchor='center')
                T.insert(tk.END,k)
                break
            else:
                w=tk.Label(sear,text='Record not present',fg='Red')
                w.place(relx=0.5, rely=0.6, anchor='center')
                w['background']='light cyan'
        B1=tk.Button(sear,text='Ok',command=extra)
        B1.place(relx=0.5,rely=0.5,anchor='center')
        Bx=tk.Button(sear,text='Back',command=extra2)
        Bx.place(relx=0.1,rely=0.9,anchor='se')
    elif z=='fabric':
        def extra2():
            sear.destroy()
            menu()
        sear=tk.Tk()
        Choices.destroy()
        sear['background']='light cyan'
        sear.geometry('800x400')
        sear.title('Search')
        M1=tk.Label(sear,text='Kousheya Silk Mills',justify='center',font=('Algerian',20))
        M1.place(relx=0.5,rely=0.1,anchor='center')
        M1['background']='light cyan'
        L1=tk.Label(sear,text='Fcode of Fabric:',justify='center')
        L1.place(relx=0.4,rely=0.3,anchor='center')
        L1['background']='light cyan'
        E1=tk.Entry(sear)
        E1.place(relx=0.6,rely=0.3,anchor='center')
        def extra():
```

```
            x=E1.get()
            h=p_display2()
            for k in h:
                if x==k[0]:
                    T=tk.Text(sear, height=6,width =40)                    #text field
                    T.place(relx=0.5, rely=0.8, anchor='center')
                    T.insert(tk.END,k)
                    break
            else:
                    w=tk.Label(sear,text='Record not present',fg='Red')
                    w.place(relx=0.5, rely=0.6, anchor='center')
                    w['background']='light cyan'
        B1=tk.Button(sear,text='Ok',command=extra)
        B1.place(relx=0.5,rely=0.5,anchor='center')
        Bx=tk.Button(sear,text='Back',command=extra2)
        Bx.place(relx=0.1,rely=0.9,anchor='se')
    var1=tk.StringVar()
    R1=tk.Radiobutton(Choices, text="Vendor", variable=var1,
value='vendor',command=func)
    R1.place(relx=0.2,rely=0.5,anchor='center')
    R1['background']='light cyan'
    R2=tk.Radiobutton(Choices, text="Fabric", variable=var1, value='fabric',command=func)
    R2.place(relx=0.8,rely=0.5,anchor='center')
    R2['background']='light cyan'
#-----------------------------------------------------------Graph-------------------------------------------------
------------
def p_graph():
    def func():
        z=var1.get()
```

```
        if z=='vendor':
            Choices.destroy()
            t=p_display1()
            x=[];y=[]
            for k in t:
                x.append(k[1])
                y.append(k[3])
            plt.bar(x,y)
            plt.xlabel('Names')
            plt.ylabel('Nworth')
            plt.show()
            menu()
        elif z=='fabric':
            Choices.destroy()
            t=p_display2()
            x=[];y=[]
            for k in t:
                x.append(k[1])
                y.append(k[2])
            plt.plot(x,y)
            plt.xlabel('Fabric')
            plt.ylabel('Cost')
            plt.show()
            menu()
    var1=tk.StringVar()
    R1=tk.Radiobutton(Choices, text="Vendor", variable=var1,
value='vendor',command=func)
    R1.place(relx=0.2,rely=0.7,anchor='center')
    R1['background']='light cyan'
```

```
    R2=tk.Radiobutton(Choices, text="Fabric", variable=var1, value='fabric',command=func)
    R2.place(relx=0.8,rely=0.7,anchor='center')
    R2['background']='light cyan'
#-------------------------------------------------------------Exit-------------------------------------------------
----------
def p_exit():
    Choices.destroy()
    cn.close()
    print('Thanks')
#-------------------------------------------------------------Menu-------------------------------------------------
------------
def menu():
    global Choices
    Choices=tk.Tk()
    Choices.geometry('800x400')
    Choices['background']='light cyan'
    Choices.title('Menu')
    M1=tk.Label(Choices,text='Kousheya Silk Mills Welcomes
You!',justify='center',font=('Algerian',20))
    M1.place(relx=0.5,rely=0.1,anchor='center')
    M1['background']='light cyan'
    q1=tk.Button(Choices,text='Display',command=p_display,justify='center')
    q1.place(relx=0.5,rely=0.2,anchor='center')
    q2=tk.Button(Choices,text='Insert',command=p_insert,justify='center')
    q2.place(relx=0.5,rely=0.3,anchor='center')
    q3=tk.Button(Choices,text='Update',command=p_update,justify='center')
    q3.place(relx=0.5, rely=0.4, anchor='center')
    q4=tk.Button(Choices,text='Search',command=p_search,justify='center')
    q4.place(relx=0.5, rely=0.5, anchor='center')
    q5=tk.Button(Choices,text='Delete',command=p_delete,justify='center')
```

```
    q5.place(relx=0.5, rely=0.6, anchor='center')
    q6=tk.Button(Choices,text='Graph',command=p_graph,justify='center')
    q6.place(relx=0.5, rely=0.7, anchor='center')
    q7=tk.Button(Choices,text='Exit',command=p_exit,justify='center')
    q7.place(relx=0.5, rely=0.8, anchor='center')
#-----------------------------------------------------Verifiying-----------------------------------------------
def check():
    ud=E1.get()
    pd=E2.get()
    if ud=='a' and pd=='abc':
        home.destroy()
        menu()
    else:
        w=tk.Label(home,text='Invalid Username or Password',fg='Red')
        w.place(relx=0.5, rely=0.6, anchor='center')
        w['background']='light cyan'
#-----------------------------------------------------Login Form-----------------------------------------------
home=tk.Tk()
home.geometry("800x400")
home['background']='light cyan'
home.title('Login')
M1=tk.Label(home,text='Kousheya Silk Mills Welcomes
You!',justify='center',font=('Algerian',20))
M1.place(relx=0.5,rely=0.1,anchor='center')
M1['background']='light cyan'
M2=tk.Label(home,text='Login Here:',justify='center',font='Bahnschrift')
M2.place(relx=0.5,rely=0.2,anchor='center')
M2['background']='light cyan'
```

```
L1=tk.Label(home,text='User ID:',justify='center')
L1.place(relx=0.36,rely=0.345,anchor='center')
L1['background']='light cyan'
E1=tk.Entry(home)
E1.place(relx=0.5,rely=0.345,anchor='center')
L2=tk.Label(home,text='Password:',justify='center')
L2.place(relx=0.36,rely=0.45,anchor='center')
L2['background']='light cyan'
E2=tk.Entry(home,show='*')
E2.place(relx=0.5,rely=0.45,anchor='center')
B1=tk.Button(home,text='OK',command=check,justify='center')
B1.place(relx=0.5, rely=0.55, anchor='center')
L3=tk.Label(home,text='Prepared by Shreyash’)
L3.place(x=1,rely=1,anchor='sw')
L3['background']='light cyan'
tk.mainloop()
#----------------------------------------------------------The End-----------------------------------------------
-----------
```