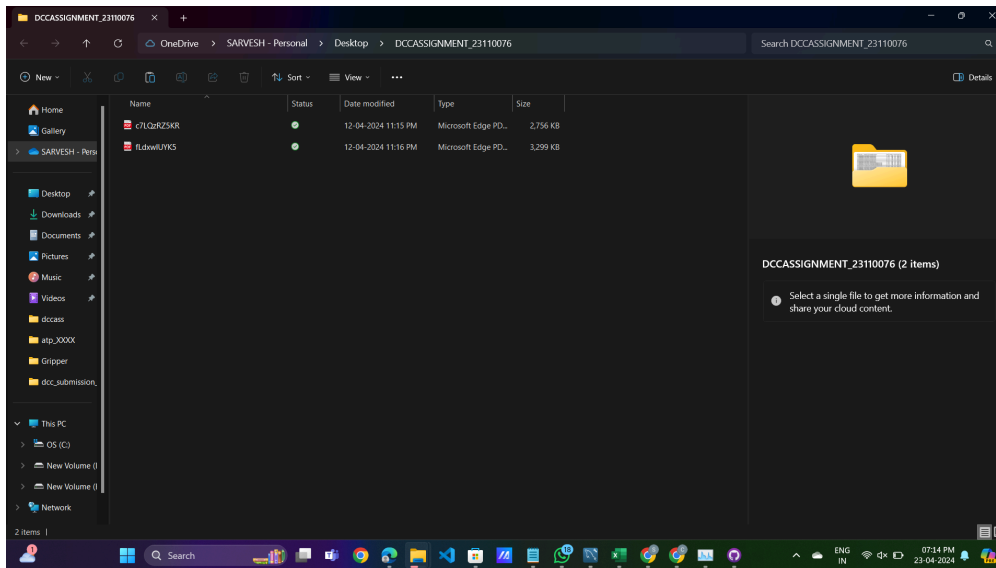


Problem Statement

1.b]

STEP] Downloading the pdf files from the given link and importing them in a new folder named “DCCASSIGNMENT_23110076”



STEP] Open The folder in the VS Code to convert the PDF files to csv.

```
! pip install PyMuPDF
[1] ✓ 2.9s Python
... Requirement already satisfied: PyMuPDF in c:\users\sarvesh\appdata\local\programs\python\python312\lib\site-packages (1.24.1)

[notice] A new release of pip is available: 23.2.1 -> 24.0
[notice] To update, run: python.exe -m pip install --upgrade pip

Requirement already satisfied: PyMuPDFb==1.24.1 in c:\users\sarvesh\appdata\local\programs\python\python312\lib\site-packages (from PyMuPDF) (1.24.1)
```

Installing PyMuPDF module in VS code which will be used to convert PDF files to csv.

```

import fitz
import pandas as pd

document=fitz.open("c7LQzRZ5KR.pdf")

text=document[0].find_tables()[0].extract()
columns=text[0]

data=[]
for i in range(len(columns)):
    i=0
    while i<len(document):
        text = document[i].find_tables()[0].extract()
        for j in range(1,len(text)):
            for k in range(len(text[j])):
                data[k].append(text[j][k])
            i=i+1

f=[1]
for p in f:
    for i in range(len(data[p])):
        t=data[p][i].split("/")
        monn=["Jan","Feb","Mar","Apr","May","Jun","Jul","Aug","Sep","Oct","Nov","Dec"]
        monn=["01","02","03","04","05","06","07","08","09","10","11","12"]
        ing=monn.index(t[-2])
        t[-2]=monn[ing]
        dumb1=f"{t[-1]}-{t[-2]}-{t[-3]}"
        data[p][i]=dumb1

f=[6]
for j in f:
    for i in range(len(data[j])):
        t=data[j][i].split(",")
        l=""
        l="".join(t)
        data[j][i]=l

```

Reading PDF files using the method “fitz.open()”. Iteration of tabular data of each page and getting access to which row of the table. Processing data such as changing the format of date from dd-mon-year to dd-mm-yyyy and changing the presentation of values in denomination ex. From 10,00,000 to 100000.

```

f=[6]
for j in f:
    for i in range(len(data[j])):
        t=data[j][i].split(",")
        l=""
        l="".join(t)
        data[j][i]=l

dic={}
for i in range(len(data)):
    dic[columns[i]]=data[i]
display=pd.DataFrame(dic)

display.to_csv('data1.csv')
y=[]
for i in range(len(display)):
    x=list(display.iloc[i])
    x=str(x)
    x=x.replace('[','(')
    x=x.replace(']',')')
    y.append(x)
files=open("data1.txt","w")
for tuple in y:
    files.write(tuple+" '+'\n")
files.close()

```

✓ 4m 40.7s

After processing data, creating a list for each column and then creating a dic and eventually creating a DataFrame with the help of pandas library. Creating a csv of given pdf files using the method `pd.DataFrame.to_csv("data1.csv")`.

Inorder to create a table in database and inserting the data available ,creating a query in text form which becomes easier by simplifying copying entire text file to sql query.

The screenshot shows a Jupyter Notebook interface with a file explorer on the left and a code cell on the right. The file explorer shows a directory named 'DCCASSIGNMENT_23110076' containing files like 'data1.csv', 'data1.txt', and 'filedowUYKS.pdf'. The code cell displays a DataFrame with 37 rows and 12 columns. The columns are: 'Sr_No', 'Date_of_Encashment', 'Name_of_the_Political_Party', 'Prefix', 'Bond_Number', 'Denominations', 'Pay_Branch_Code', 'Pay_Teller', 'Status', 'Reference_No_URN', 'Journal_Date', and 'Date_of_Purchase'. The data is organized into groups by 'Date_of_Encashment' (2019-04-12) and 'Name_of_the_Political_Party' (ALL INDIA ANNA DRAVIDA MUNNETRA KAZHAGAM, BHARAT RASHTRA SAMITHI).

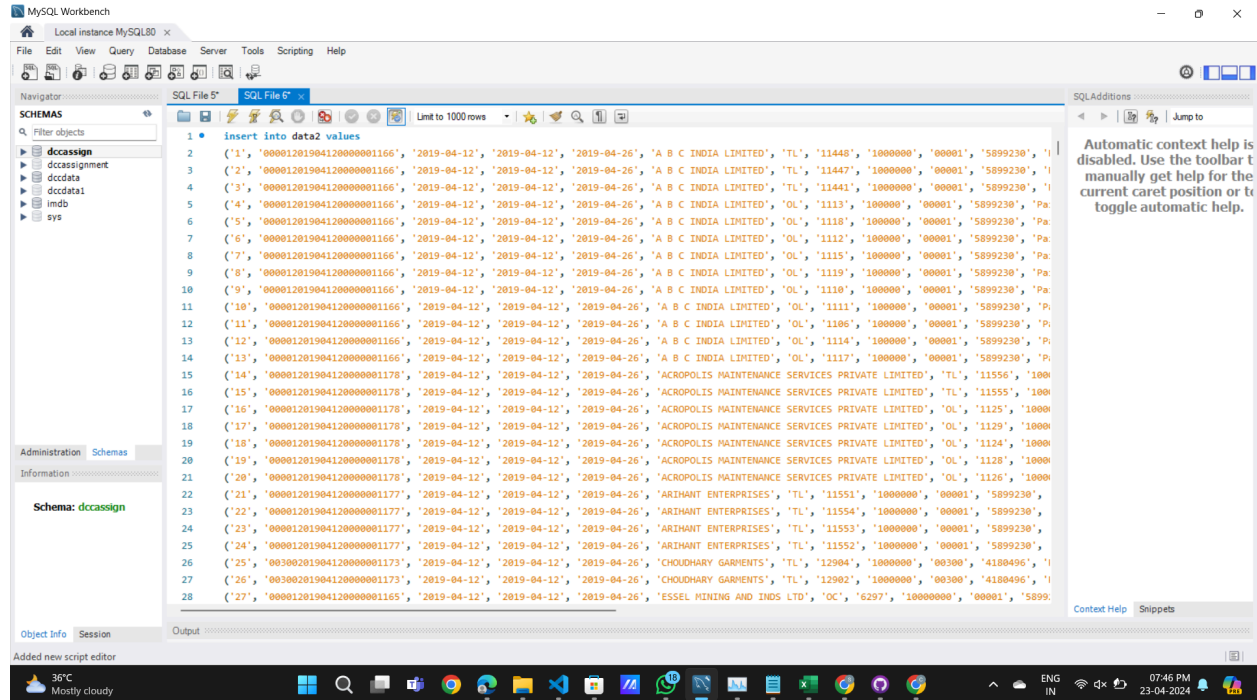
Now,creating a database named “dccassign” and creating tables named as “data1” and “data2”

The screenshot shows a SQL File 5 window with the following SQL code:

```

1 create database dccassign;
2 use dccassign;
3 CREATE TABLE data1 (
4     Sr_No varchar(100),
5     Date_of_Encashment varchar(100),
6     Name_of_the_Political_Party varchar(100),
7     Prefix varchar(100),
8     Bond_Number varchar(100),
9     Denominations varchar(100),
10    Pay_Branch_Code varchar(100),
11    Pay_Teller varchar(100)
12 );
13 CREATE TABLE data2 (
14     Sr_No varchar(100),
15     Reference_No_URN varchar(100),
16     Journal_Date varchar(100),
17     Date_of_Purchase varchar(100),
18     Date_of_Expiry varchar(100),
19     Name_of_the_Purchaser varchar(100),
20     Prefix varchar(100),
21     Bond_Number varchar(100),
22     Denominations varchar(100),
23     Issue_Branch_Code varchar(100),
24     Issue_Teller varchar(100),
25     Status varchar(100)
26 );
27

```



Inserting values in table via copying text from “data1.txt” to query file in mysql workbench.

Now connect by database “dccbassign” to flask using the “flask” and “flask_mysqladb” modules.

Creating a flask application instance and specifying the folder in which the Flask should look for the html templates.

Then specifies the hostname ,user,password and database of the MySQL server.

```
23110076_DCCASSIGNMENT.ipynb • data2.txt app.py X
app.py > ...
1 from flask import Flask, redirect, url_for, request, Response, render_template
2 from flask_mysql import MySQL
3 import pandas as pd
4
5 app = Flask(__name__, template_folder="template")
6 app.config['MYSQL_HOST'] = 'localhost'
7 app.config['MYSQL_USER'] = 'root'
8 app.config['MYSQL_PASSWORD'] = 's@@@rvesh@@@123'
9 app.config['MYSQL_DB'] = 'dccassign'
10
11 mysql = MySQL(app)
12
13 def create(userdetails1,L):
14     data={}
15     for i in L:
16         data[i]=[]
17     for i in userdetails1:
18         for j in range(len(i)):
19             data[L[j]].append(i[j])
20     data=pd.DataFrame(data)
21     data=data.set_index("Sr_No")
22     return data
23
24 @app.route('/')
25 def main_page():
26     return render_template("index0.html")
27
```

```
@app.route('/')
def main_page():
    return render_template("index0.html")

@app.route('/link1', methods = ["POST"])
def link1():
    return render_template("index.html")

@app.route('/link2', methods = ["POST"])
def link2():
    return render_template("index3.html")
```

1.e]

User Interface.

The screenshot shows a web browser window with the address bar displaying '127.0.0.1:5000'. The page title is 'Select the service'. Below the title, there is a section titled 'Robust Search Function to filter data'. This section contains two input fields: 'Encashment details' and 'Purchase details', each followed by a 'Submit' button. Below these, there are three more sections, each with a dropdown menu and a 'Submit' button:

- Select the Company/Individual for analysis of Number of Bonds and total value of bonds per year:** Name of the Purchaser [dropdown] Submit
- Select the Political Party for analysis of Number of Bonds and total value of bonds per year:** Name of the Political Party [dropdown] Submit
- Select the Company/Individual for analysis of companies who donated to the Political party and total amount by individual and combined:** Name of the Political Party [dropdown] Submit
- Select the Company/Individual for analysis of Political Parties to whom Company/Individual has donated and total amount donated by individual and combined:** Name of the Purchaser [dropdown] Submit

The bottom of the browser window shows a Windows taskbar with various application icons, a system clock showing 07:38 PM on 23-04-2024, and weather information (36°C, Mostly cloudy).

1]Implement robust search functionality that allows users to quickly search for specific records based on Bond Number or filter data based on any column in the table except Sr. No. and Status (e.g., date, political party, company name). The output should be displayed in the form of a table which is fetched from the database for a given query.

Function is used to filter data according to the filter selected from the user interface. Displaying the resultant data in the form of a table using `pd.DataFrame.to_html()`.

1]For analysis of data from the encashment table.

```

@app.route('/user1', methods = ["POST"])
def user1():
    ps=["Date_of_Encashment","Name_of_the_Political_Party","Prefix","Bond_Number","Pay_Branch_Code","Pay_Teller"]
    date=request.form["date"]
    name=request.form["party"]
    prefix=request.form["prefix"]
    bnumber=request.form["bondnumber"]
    pcode=request.form["branchcode"]
    pteller=request.form["payteller"]
    check=[date,name,prefix,bnumber,pcode,pteller]
    cursor = mysql.connection.cursor()
    cursor.execute(f"select * from data1")
    userdetails=cursor.fetchall()
    L1=["Sr_No","Date_of_Encashment","Name_of_the_Political_Party","Account_no_of_Political_Party","Prefix","Bond_Number","Denominations","Pay_Branch_Code","Pay_Teller"]
    data1=create(userdetails,L1)
    for i in range(len(ps)):
        if check[i]!="":
            if len(data1)!=0:
                data1=data1[data1[ps[i]]==check[i]]
    return data1.to_html()

```

127.0.0.1:5000/link1

Select the filter

Date of encashment

Name of the Political Party

Prefix

Bond Number

Pay Branch Code

Pay Teller

36°C Mostly cloudy

07:38 PM 23-04-2024

Select the filter

Date of encashment

Name of the Political Party

Prefix

Bond Number

Pay Branch Code

Pay Teller

AAM AADMI PARTY
 ADYAKSHA SAMAJVADI PARTY
 ALL INDIA ANNA DRAVIDA MUNNETRA KAZHAGAM
 ALL INDIA TRINAMOL CONGRESS
 BHARAT RASHTRA SAMITHI
 BHARATIYA JANATA PARTY
 BIHAR PRADESH JANTA DAL (UNITED)
 BIJU JANATA DAL
 DRAVIDA MUNNETRA KAZHAGAM (DMK)
 GOA FORWARD PARTY
 JAMMU AND KASHMIR NATIONAL CONFERENCE
 JANASENA PARTY
 JANATA DAL (SECULAR)
 JHARKHAND MUKTI MORCHA
 MAHARASHTRAWADI GOMINTAK PARTY
 NATIONALIST CONGRESS PARTY MAHARASHTRA PRADESH
 PRESIDENT, ALL INDIA CONGRESS COMMITTEE
 RASHTRIYA JANTA DAL
 SHIROMANI AKALI DAL

127.0.0.1:5000/link1

Select the filter

Date of encashment

dd-mm-yyyy

Name of the Political Party

BHARATIYA JANATA PARTY

Prefix

Bond Number

Pay Branch Code

Pay Teller

Submit

	Date of Encashment	Name of the Political Party	Account_no of Political Party	Prefix	Bond_Number	Denominations	Pay_Branch_Code	Pay_Teller
Sr_No								
61	2019-04-12	BHARATIYA JANATA PARTY	*****8244	OC	4274	10000000	00691	3627829
62	2019-04-12	BHARATIYA JANATA PARTY	*****8244	OC	4276	10000000	00691	3627829
63	2019-04-12	BHARATIYA JANATA PARTY	*****8244	OC	5827	10000000	00691	3627829
64	2019-04-12	BHARATIYA JANATA PARTY	*****8244	OC	5847	10000000	00691	3627829
65	2019-04-12	BHARATIYA JANATA PARTY	*****8244	OC	4303	10000000	00691	3627829
66	2019-04-12	BHARATIYA JANATA PARTY	*****8244	OC	4301	10000000	00691	3627829
67	2019-04-12	BHARATIYA JANATA PARTY	*****8244	OC	5831	10000000	00691	3627829
68	2019-04-12	BHARATIYA JANATA PARTY	*****8244	OC	4321	10000000	00691	3627829
69	2019-04-12	BHARATIYA JANATA PARTY	*****8244	OC	5861	10000000	00691	3627829
70	2019-04-12	BHARATIYA JANATA PARTY	*****8244	OC	4325	10000000	00691	3627829
71	2019-04-12	BHARATIYA JANATA PARTY	*****8244	OC	5843	10000000	00691	3627829
72	2019-04-12	BHARATIYA JANATA PARTY	*****8244	OC	5837	10000000	00691	3627829
73	2019-04-12	BHARATIYA JANATA PARTY	*****8244	OC	5817	10000000	00691	3627829
74	2019-04-12	BHARATIYA JANATA PARTY	*****8244	OC	4319	10000000	00691	3627829
75	2019-04-12	BHARATIYA JANATA PARTY	*****8244	OC	4293	10000000	00691	3627829
76	2019-04-12	BHARATIYA JANATA PARTY	*****8244	OC	4305	10000000	00691	3627829
77	2019-04-12	BHARATIYA JANATA PARTY	*****8244	OC	5801	10000000	00691	3627829
78	2019-04-12	BHARATIYA JANATA PARTY	*****8244	OC	5825	10000000	00691	3627829
79	2019-04-12	BHARATIYA JANATA PARTY	*****8244	OC	4313	10000000	00691	3627829
80	2019-04-12	BHARATIYA JANATA PARTY	*****8244	OC	5805	10000000	00691	3627829
81	2019-04-12	BHARATIYA JANATA PARTY	*****8244	OC	5829	10000000	00691	3627829
82	2019-04-12	BHARATIYA JANATA PARTY	*****8244	OC	5821	10000000	00691	3627829
83	2019-04-12	BHARATIYA JANATA PARTY	*****8244	OC	5839	10000000	00691	3627829
84	2019-04-12	BHARATIYA JANATA PARTY	*****8244	OC	5841	10000000	00691	3627829
85	2019-04-12	BHARATIYA JANATA PARTY	*****8244	OC	5813	10000000	00691	3627829
86	2019-04-12	BHARATIYA JANATA PARTY	*****8244	OC	5833	10000000	00691	3627829
87	2019-04-12	BHARATIYA JANATA PARTY	*****8244	OC	4327	10000000	00691	3627829
88	2019-04-12	BHARATIYA JANATA PARTY	*****8244	OC	4311	10000000	00691	3627829
89	2019-04-12	BHARATIYA JANATA PARTY	*****8244	OC	4347	10000000	00691	3627829

127.0.0.1:5000/link1

127.0.0.1:5000/link1

Select the filter

Date of encashment

dd-mm-yyyy

Name of the Political Party

Prefix

Bond Number

775

Pay Branch Code

Pay Teller

Submit

Sr_No	Date of Encashment	Name of the Political Party	Account no of Political Party	Prefix	Bond Number	Denominations	Pay Branch Code	Pay Teller
1	2019-04-12	ALL INDIA ANNA DRAVIDA MUNNETRA KAZHAGAM	*****5199	OC	775	10000000	00800	2770121

Similarly, for analysis of purchasing table

Select the filter

Reference No URN

Journal Date

Date of Purchase

Date of Expiry

Name of the Purchaser

Prefix

Bond Number

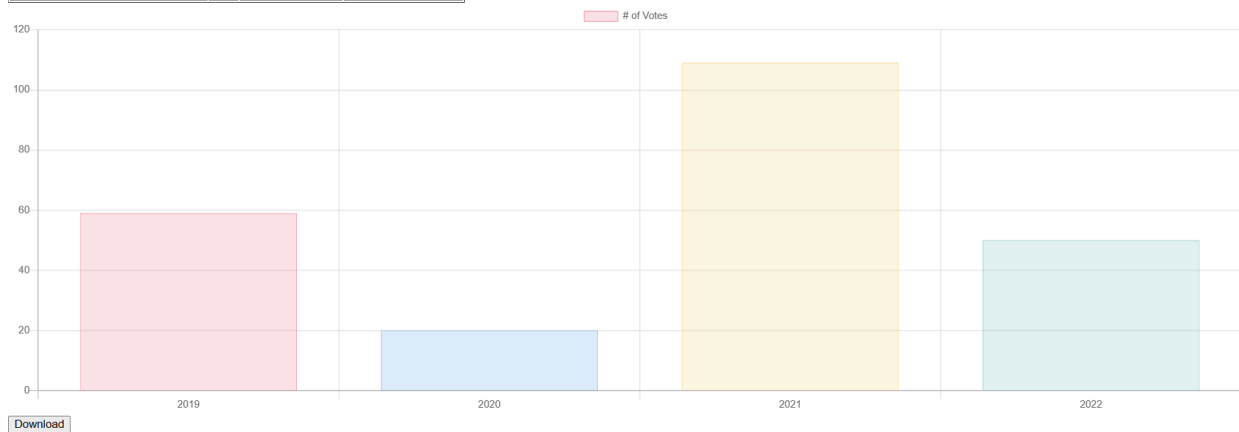
Issue Branch Code

Issue Teller

- AUTHUM INVESTMENT AND INFRASTRUCTURE LTD
- AVES TRADING & FINANCE PVT LTD
- AVES TRADING AND FINANCE PVT LTD
- AVES TRADING FINANCE PVT LTD
- AVIGHNA MEDITECH SOLUTIONS PVT LTD
- AVIGHNA SOLUTIONS
- AVINASH MODI
- AVON CYCLES LTD
- AXIS CLINICAL S LIMITED
- AXIS WIND FARMS (MPR DAM) PRIVATE L
- AYUSH JAIN
- B G SHIRKE CONSTRUCTION TECHNOLOGY PVT LTD
- B M A MERCHANDISE LLP
- B DAS AND ASSOCIATES PVT. LTD.
- B2C CONSULTING LLP
- BAGDOGRA REALTORS PVT LTD
- BAIN GLOBAL RESOURCES LLP
- BAJAJ AUTO LTD
- BAJAJ FINANCE LTD
- BAJAJ HOLDINGS & INVESTMENT LIMITED

2]The option to select a Company/Individual from a drop-down/search, and show how many bonds and the total value of bonds purchased per year. You can present a bar plot depicting your results.

	Year	Number of bonds	Total value of bonds
Name of Purchaser			
ESSEL MINING AND INDS LTD	2019	59	5900000000
ESSEL MINING AND INDS LTD	2020	20	2000000000
ESSEL MINING AND INDS LTD	2021	109	10900000000
ESSEL MINING AND INDS LTD	2022	50	5000000000



3]The option to select a political party from a drop-down/search, and show how many bonds and total value per year are in the timeline. You can present a bar plot depicting your results.

```
@app.route('/user3', methods = ["POST"])
def user3():
    name=request.form["company"]
    cursor = mysql.connection.cursor()
    cursor.execute(f"select * from data2")
    userdetails=cursor.fetchall()
    l1=["Sr_No","Reference_No_URN","Journal_Date","Date_of_Purchase","Date_of_Expiry","Name_of_the_Purchaser","Prefix","Bond_Number","Denominations"]
    data1=create(userdetails,l1)
    year=list(data1[data1["Name_of_the_Purchaser"]==f"{name}"]["Date_of_Purchase"])
    don=list(data1[data1["Name_of_the_Purchaser"]==f"{name}"]["Denominations"])
    for i in range(len(year)):
        year[i]=year[i]::4
    years=list(pd.Series(year).unique())
    donate=[]
    count=[]
    for i in range(len(years)):
        don1=[]
        count1=0
        for j in range(len(year)):
            if years[i]==year[j]:
                count1=count1+1
                don1.append(don[i])
        sum=0
        for i in range(len(don1)):
            don1[i]=int(don1[i])
            sum=sum+don1[i]
        donate.append(sum)
        count.append(count1)
    dic={}
    dic["Name of Purchaser"]=[name for i in range(len(count))]
    dic["Year"]=years
    dic["Number of bonds"]=count
    dic["Total value of bonds"]=donate
    dic=pd.DataFrame(dic)
    dic=dic.set_index("Name of Purchaser")
    return render_template('new1.html', page_data=dic.to_html().split("\n"), key=dic["Year"], val=dic["Number of bonds"])
```



```

@app.route('/user5', methods = ["POST"])
def user5():
    name=request.form["party"]
    cursor = mysql.connection.cursor()
    cursor.execute(f"select * from data1")
    userdetails=cursor.fetchall()
    l1=["Sr_No","Date_of_Encashment","Name_of_the_Political_Party","Account_no_of_Political_Party","Prefix","Bond_Number","Denominations","Pay_Branc
    data1=create(userdetails,l1)
    cursor.execute(f"select * from data2")
    userdetails=cursor.fetchall()
    l1=["Sr_No","Reference_No_URN","Journal_Date","Date_of_Purchase","Date_of_Expiry","Name_of_the_Purchaser","Prefix","Bond_Number","Denominations"
    data2=create(userdetails,l1)
    data1=data1[data1["Name_of_the_Political_Party"]==name]
    bond=list(data1["Bond_Number"])
    f=[]
    g=[]
    for i in range(len(bond)):
        data1=list(data2[data2["Bond_Number"]==bond[i]]["Name_of_the_Purchaser"])
        data11=list(data2[data2["Bond_Number"]==bond[i]]["Denominations"])
        f.append(data1)
        g.append(data11)
    newbond,newd,newf=[],[],[]
    for i in range(len(f)):
        if f[i]!=[]:
            for j in range(len(f[i])):
                newbond.append(bond[i])
                newf.append(f[i][j])
                newd.append(g[i][j])

    k=[name for i in range(len(newbond))]
    dic={}
    dic["Name_of_the_Political_Party"]=k
    dic["Name_of_the_Purchaser"]=newf
    dic["Bond_Number"]=newbond
    dic["Denominations"]=newd
    dic=pd.DataFrame(dic)

```

```

purchaser=dic["Name_of_the_Purchaser"].unique()
donate=[]
for i in range(len(purchaser)):
    dic1=list(dic[dic["Name_of_the_Purchaser"]==purchaser[i]]["Denominations"])
    sum=0
    for i in range(len(dic1)):
        dic1[i]=int(dic1[i])
        sum=sum+dic1[i]
    donate.append(sum)
display={}
display["Name_of_the_Political_Party"]=[name for i in range(len(purchaser))]
display["Name_of_the_Purchaser"]=purchaser
display["Denominations"]=donate
display=pd.DataFrame(display)
display=display.set_index("Name_of_the_Political_Party")
return render_template('new2.html', page_data=display.to_html().split("\n"), key=display["Name_of_the_Purchaser"], val=display["Denominations"])

```

Select the service

Robust Search Fu

Encashment details

Purchase details

Select the Compa

Name of the Purchaser

Select the Politica

Name of the Political Party

Select the Compa

Name of the Political Party

Select the Company/Individual for analysis of Political Parties to whom Company/Individual has donated and total amount donated by individual and combined:

Name of the Purchaser

AAM AADMI PARTY

ADYAKSHA SAMAJVADI PARTY

ALL INDIA ANNA DRAVIDA MUNNETRA KAZHAGAM

ALL INDIA TRINAMOL CONGRESS

BHARAT RASHTRA SAMITHI

BHARATIYA JANATA PARTY

BIHAR PRADESH JANTA DAL(UNITED)

BIJU JANATA DAL

DRAVIDA MUNNETRA KAZHAGAM (DMK)

GOA FORWARD PARTY

JAMMU AND KASHMIR NATIONAL CONFERENCE

JANASENA PARTY

JANATA DAL (SECULAR)

JHARKHAND Mukti Morcha

MAHARASHTRA WADI GOMINTAK PARTY

NATIONALIST CONGRESS PARTY MAHARASHTRA PRADESH

PRESIDENT, ALL INDIA CONGRESS COMMITTEE

RASHTRIYA JANTA DAL

SHIROMANI AKALI DAL

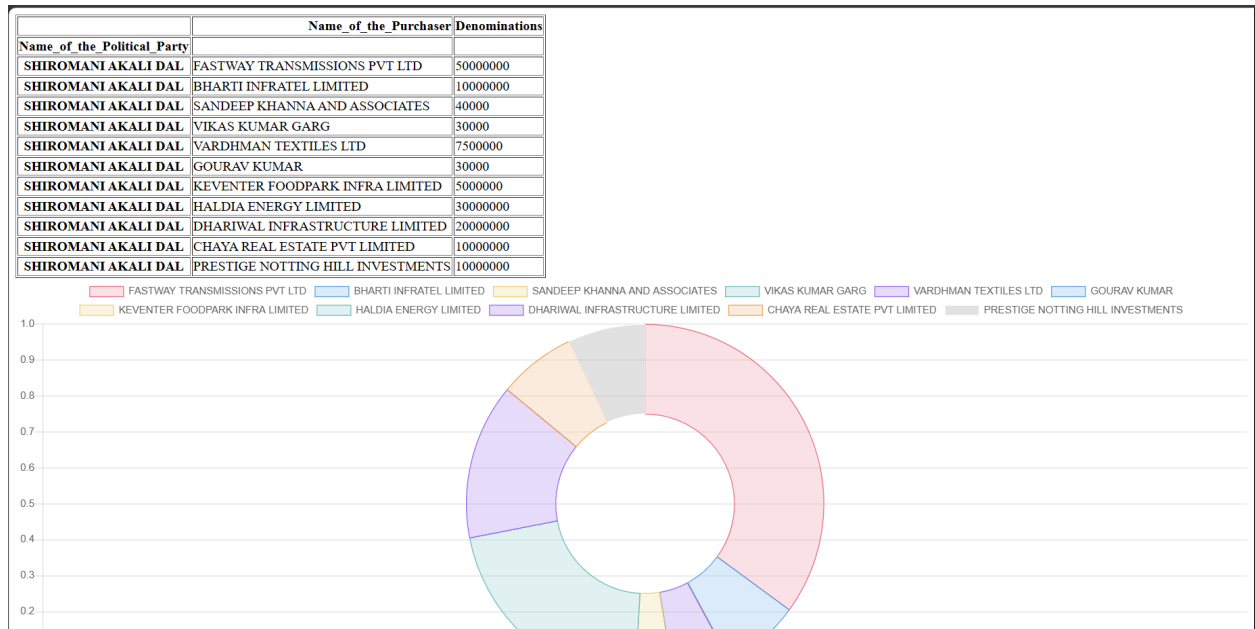
ed total value of bonds per year:

mit

value of bonds per year:

Submit

ted to the Political party and total amount by individual and combined:



5]Similarly, provide an option to select a company from a drop-down/search, showcasing which parties they have donated and what amount individually and combined.

```

@app.route('/user6', methods = ["POST"])
def user6():
    name=request.form["company"]
    cursor = mysql.connection.cursor()
    cursor.execute(f"select * from data1")
    userdetails=cursor.fetchall()
    L1=["Sr_No","Date_of_Encashment","Name_of_the_Political_Party","Account_no_of_Political_Party","Prefix","Bond_Number","Denominations","Pay_Branch"]
    data1=create(userdetails,L1)
    cursor.execute(f"select * from data2")
    userdetails=cursor.fetchall()
    L1=["Sr_No","Reference_No_URN","Journal_Date","Date_of_Purchase","Date_of_Expiry","Name_of_the_Purchaser","Prefix","Bond_Number","Denominations"]
    data2=create(userdetails,L1)
    data2=data2[data2["Name_of_the_Purchaser"]==name]
    bond=list(data2["Bond_Number"])
    f=[]
    g=[]
    for i in range(len(bond)):
        data2=list(data1[data1["Bond_Number"]==bond[i]]["Name_of_the_Political_Party"])
        data1=list(data1[data1["Bond_Number"]==bond[i]]["Denominations"])
        f.append(data2)
        g.append(data1)
    newbond,newd,newf=[],[],[]
    for i in range(len(f)):
        if f[i]!=[]:
            for j in range(len(f[i])):
                newbond.append(bond[i])
                newf.append(f[i][j])
                newd.append(g[i][j])
    k=[name for i in range(len(newbond))]
    dic={}
    dic["Name_of_the_Purchaser"]=k
    dic["Name_of_the_Political_Party"]=newf
    dic["Bond_Number"]=newbond
    dic["Denominations"]=newd
    dic=pd.DataFrame(dic)
    purchaser=dic["Name_of_the_Political_Party"].unique()

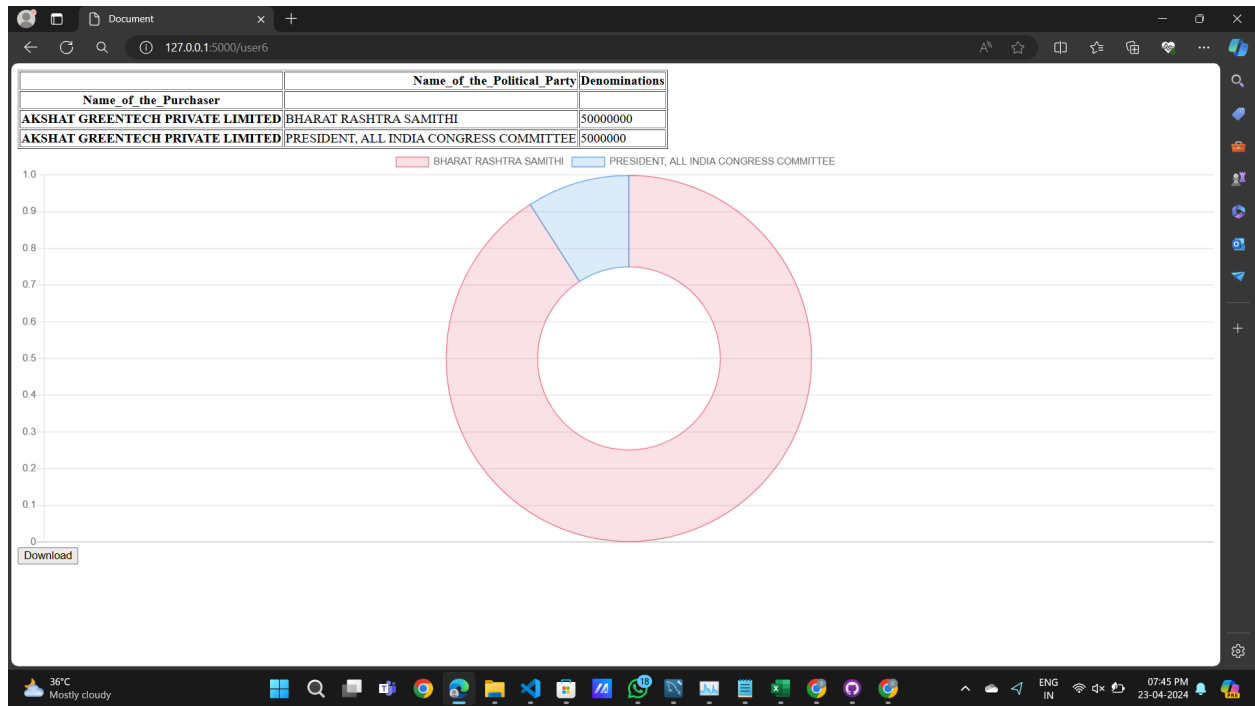
```

```

        newd.append(g[i][j])
    k=[name for i in range(len(newbond))]
    dic={}
    dic["Name_of_the_Purchaser"]=k
    dic["Name_of_the_Political_Party"]=newf
    dic["Bond_Number"]=newbond
    dic["Denominations"]=newd
    dic=pd.DataFrame(dic)
    purchaser=dic["Name_of_the_Political_Party"].unique()
    donate=[]
    for i in range(len(purchaser)):
        dic1=list(dic[dic["Name_of_the_Political_Party"]==purchaser[i]]["Denominations"])
        sum=0
        for i in range(len(dic1)):
            dic1[i]=int(dic1[i])
            sum=sum+dic1[i]
        donate.append(sum)
    display={}
    display["Name_of_the_Purchaser"]=[name for i in range(len(purchaser))]
    display["Name_of_the_Political_Party"]=purchaser
    display["Denominations"]=donate
    display=pd.DataFrame(display)
    display=display.set_index("Name_of_the_Purchaser")
    return render_template('new2.html', page_data=display.to_html().split("\n"), key=display["Name_of_the_Political_Party"], val=display["Denominations"])

if __name__ == '__main__':
    app.run(debug = True)

```

6] Apart from 1e4 and 1e5, you can also display the Pie chart depicting the total amount of donations to all the parties.

Select the Company/Individual for analysis of companies who donated to the Political party and total amount by individual and combined:

Name of the Political Party

