# Sourav Bhagat (19BCS103)

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import pandas as pd

import os

print("For Admin  click 1")

print("For User click 2 ")

n=int(input("Type your preference"))

dataA ={

        'Hospitals Name': ['a','b','c','d','e','f','g','h'],

        'Donors Name' : ['abc','ret','fdtf','gfg','ghfgh','hasgf','fcvbv','fagd'],

        'Blood group':['A','A','A','A','A','A','A','A'],

        'Branch':['a','b','c','d','e','f','g','h'],

        'Phone Number':[3546,6555,65464,6546546,5454654,654654,654646,4654,]

    }

dataB ={

        'Hospitals Name': ['a','b','c','d','e','f','g','h'],

        'Donors Name' : ['abc','ret','fdtf','gfg','ghfgh','hasgf','fcvbv','fagd'],

        'Blood group':['B','B','B','B','B','B','B','B'],

        'Branch':['a','b','c','d','e','f','g','h'],

        'Phone Number':[3546,6555,65464,6546546,5454654,654654,654646,4654,]

    }

dataO ={

        'Hospitals Name': ['a','b','c','d','e','f','g','h'],

        'Donors Name' : ['abc','ret','fdtf','gfg','ghfgh','hasgf','fcvbv','fagd'],

        'Blood group':['O','O','O','O','O','O','O','O'],

        'Branch':['a','b','c','d','e','f','g','h'],

        'Phone Number':[3546,6555,65464,6546546,5454654,654654,654646,4654,]

    }

dataAB ={

        'Hospitals Name': ['a','b','c','d','e','f','g','h'],

        'Donors Name' : ['abc','ret','fdtf','gfg','ghfgh','hasgf','fcvbv','fagd'],

        'Blood group':['AB','AB','AB','AB','AB','AB','AB','AB'],

        'Branch':['a','b','c','d','e','f','g','h'],

        'Phone Number':[3546,6555,65464,6546546,5454654,654654,654646,4654,]

    }

if n==1:

    print(pd.DataFrame(dataA))

    print(pd.DataFrame(dataB))

    print(pd.DataFrame(dataO))

    print("Rarest blood group")

    print(pd.DataFrame(dataAB))

else:

    print("For blood group A type A")

    print("For blood group B type B")

    print("For blood group O type O")

    print("For blood group AB type AB")

    d=input("Type Your Requirement")

    if d=="A" :

        print(pd.DataFrame(dataA))

    elif d=="B" :

        print(pd.DataFrame(dataB))

    elif d=="O" :

          print(pd.DataFrame(dataO))

    elif d=="AB" :

        print(pd.DataFrame(dataAB))

OUTPUT :

For User:

PS C:\Users\ADMIN> & C:/ProgramData/Anaconda3/python.exe c:/Users/ADMIN/Desktop/souravhackathon.py

For Admin click 1

For User click 2

Type your preference2

For blood group A type A

For blood group B type B

For blood group O type O

For blood group AB type AB

Type Your RequirementAB

Hospitals Name Donors Name Blood group Branch Phone Number

0 a abc AB a 3546

1 b ret AB b 6555

2 c fdtf AB c 65464

3 d gfg AB d 6546546

4 e ghfgh AB e 5454654

5 f hasgf AB f 654654

6 g fcvbv AB g 654646

7 h fagd AB h 4654

PS C:\Users\ADMIN>

For Admin:

PS C:\Users\ADMIN> & C:/ProgramData/Anaconda3/python.exe c:/Users/ADMIN/Desktop/souravhackathon.py

For Admin click 1

For User click 2

Type your preference1

Hospitals Name Donors Name Blood group Branch Phone Number

0 a abc A a 3546

1 b ret A b 6555

2 c fdtf A c 65464

3 d gfg A d 6546546

4 e ghfgh A e 5454654

5 f hasgf A f 654654

6 g fcvbv A g 654646

7 h fagd A h 4654

Hospitals Name Donors Name Blood group Branch Phone Number

0 a abc B a 3546

1 b ret B b 6555

2 c fdtf B c 65464

3 d gfg B d 6546546

4 e ghfgh B e 5454654

5 f hasgf B f 654654

6 g fcvbv B g 654646

7 h fagd B h 4654

Hospitals Name Donors Name Blood group Branch Phone Number

0 a abc O a 3546

1 b ret O b 6555

2 c fdtf O c 65464

3 d gfg O d 6546546

4 e ghfgh O e 5454654

5 f hasgf O f 654654

6 g fcvbv O g 654646

7 h fagd O h 4654

Rarest blood group

Hospitals Name Donors Name Blood group Branch Phone Number

0 a abc AB a 3546

1 b ret AB b 6555

2 c fdtf AB c 65464

3 d gfg AB d 6546546

4 e ghfgh AB e 5454654

5 f hasgf AB f 654654

6 g fcvbv AB g 654646

7 h fagd AB h 4654

PS C:\Users\ADMIN>