

PYTHON MINI PROJECT

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print("Hello^_^")
n=int(input("ENTER THE SIZE OF N*N Matrix ="))

print("sum of eggs in each row or column and diagonal",n*(n*n+1)/2)

a=[]

for i in range (n):

    b=[]

    for j in range (n):

        j=int(input("Enter The Number = "))

        b.append(j)

    a.append(b)

if j<=(n*n):

    print("\n")

    print("\n")

    for i in range(n):

        for j in range (n):

            print(a[i][j],end=" ")

        print()

    sum1d=0

    sum2d=0

    for i in range(n):

        for j in range(n):

            if i==j:

                sum1d=sum1d+a[i][j]

            if i+j==n-1:

                sum2d=sum2d+a[i][j]

    if sum1d!=sum2d:

        z=5

    else:

        for i in range(n):

            sumr=0

            sumc=0

            for j in range(n):

                sumr=sumr+a[i][j]

                sumc=sumc+a[j][i]
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    if sumr!=sum1d:
        z=1
    elif sumc!=sum1d:
        z=1
    else:
        z=0
if z==0:
    print("\n")
    print("YES , IT IS A MAGIC SQUARE")
else:
    print("\n")
    print("NO IT WILL NOT FOARM MAGIC SQUARE=")

print("Thank you:)")
print("DONE BY:DHURV PRAKASH,E.SAI HRIESHIKESH,DEEPAK")

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OUT PUT 1:

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Hello^_^
ENTER THE SIZE OF N*N Matrix= 3
sum of eggs in each row or column and diagonal 15.0
Enter The Number = 6
Enter The Number = 3
Enter The Number = 6
Enter The Number = 5
Enter The Number = 5
Enter The Number = 5
Enter The Number = 4
Enter The Number = 7
Enter The Number = 4
6 3 6
5 5 5
4 7 4
YES, IT IS A MAGIC SQUARE
Thank you:)
DONE BY: DHURV PRAKASH, E.SAI HRIESHIKESH, DEEPAK

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OUT PUT 2:

Hello^_^

ENTER THE SIZE OF N*N Matrix =3

sum of eggs in each row or column and diagonal 15.0

Enter The Number = 2

Enter The Number = 3

Enter The Number = 5

Enter The Number = 6

Enter The Number = 2

Enter The Number = 5

Enter The Number = 6

Enter The Number = 7

Enter The Number = 6

2 3 5

6 2 5

6 7 6

NO IT WILL NOT FOARM MAGIC SQUARE

Thank you:)

DONE BY: DHURV PRAKASH, E.SAI HRIESHIKESH, DEEPAK