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from PyQt5.uic import loadUi
from PyQt5.QtWidgets import QApplication
#####
def SommeChiffres(X):
    S=0
    while(X != 0):
        S = S + X % 10
        X = X // 10
    return S
#####
def Verifier(X):

    ok= True
    i=10
    while(i<= X and ok == True):

        if(X == SommeChiffres(i)+i):
            ok = False
        else :
            i=i+1
    return ok

```

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#####
def Chercher(N,M):
    i=N
    msg=""
    while( i <= M):
        if(Verifier(i) == True):
            if(msg==""):
                msg=str(i)
            else:
                msg =msg+" - "+str(i)
        i=i+1
    return msg

```

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#####
def Play():
    N=int(w.N.text())
    M=int(w.M.text())
    if(Verifier(97)==True):
        print("yyyyyy")
    if(N <20 or N > 50 or M < N or M > 100):
        w.msg.setText("Veuillez respecter : 20 <= N et N<M<=100")
    else:
        if( Chercher(N,M) == ""):
            w.msg.setText("Aucun Autonombre entre "+str(N)+" et "+str(M))
        else:
            w.msg.setText("Le(s) nombre(s) Autonombre(s) : "+ Chercher(N,M))

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##### |
app=QApplication([])
w=loadUi("InterfaceAutonombre.ui")
w.show()
w.Afficher.clicked.connect(Play)
app.exec_()

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