print ("Welcome to Inheritance!")

import random

print (" [Press return]")

gen\_2A = ["OA", "AO", "AB", "BA", "OB", "BO", "AA", "BB", "OO"]

gen\_2A = random.choice (gen\_2A)

gen\_2B = ["OA", "AO", "AB", "BA", "OB", "BO", "AA", "BB", "OO"]

gen\_2B = random.choice (gen\_2B)

gen\_2C = ["OA", "AO", "AB", "BA", "OB", "BO", "AA", "BB", "OO"]

gen\_2C = random.choice (gen\_2C)

gen\_2D = ["OA", "AO", "AB", "BA", "OB", "BO", "AA", "BB", "OO"]

gen\_2D = random.choice (gen\_2D)

print ()

print ("=============================================")

print ("=============================================")

print ()

print ("Grandparent(1) Bloodtype: ", end ="" )

c = (random.choices(gen\_2A, k=2))

print (c)

print ("Grandparent(2) Bloodtype: ", end ="" )

d = (random.choices(gen\_2B, k=2))

print (d)

print ("Grandparent(3) Bloodtype: ", end ="" )

e = (random.choices(gen\_2C, k=2))

print (e)

print ("Grandparent(4) Bloodtype: ", end ="" )

f = (random.choices(gen\_2D, k=2))

print (f)

print ()

print ("=============================================")

print ("=============================================")

input()

print ()

print ("Parent(1) Bloodtype: ", end ="" )

s = (random.choices(c, k=1))

print (s, end ="" )

t = (random.choices(d, k=1))

print (t)

print ("Parent(2) Bloodtype: ", end ="" )

u = (random.choices(e, k=1))

print (u, end ="" )

v = (random.choices(f, k=1))

print (v)

print ()

print ("=============================================")

print ("=============================================")

print()

input()

print ("Generation(0) Bloodtype: ", end ="" )

gen\_0 = [s,t]

gen\_00 = [u,v]

print (random.choice(gen\_0), end ="" )

print (random.choice(gen\_00))

print ()

print ("=============================================")

print ("=============================================")

print ()