import random

def generatePassword(pwlength):

alphabet = "pallavi"

passwords = []

for i in pwlength:

password = ""

for j in range(i):

next\_letter\_index = random.randrange(len(alphabet))

password = password + alphabet[next\_letter\_index]

password = replaceWithNumber(password)

password = replaceWithUppercaseLetter(password)

passwords.append(password)

return passwords

def replaceWithNumber(pword):

for i in range(random.randrange(1,3)):

replace\_index = random.randrange(len(pword)//2)

pword = pword[0:replace\_index] + str(random.randrange(10)) + pword[replace\_index+1:]

return pword

def replaceWithUppercaseLetter(pword):

for i in range(random.randrange(1,3)):

replace\_index = random.randrange(len(pword)//2,len(pword))

pword = pword[0:replace\_index] + pword[replace\_index].upper() + pword[replace\_index+1:]

return pword

def main():

numPasswords = int(input("How many passwords do you want to generate? "))

print("Generating " +str(numPasswords)+" passwords")

passwordLengths = []

print("Minimum length of password should be 3")

for i in range(numPasswords):

length = int(input("Enter the length of Password #" + str(i+1) + " "))

if length<3:

length = 3

passwordLengths.append(length)

Password = generatePassword(passwordLengths)

for i in range(numPasswords):

print ("Password #"+str(i+1)+" = " + Password[i])

main()