1

def validate\_name(name):

if not name.isalpha():

print("Error: Name should not contain numbers or special characters.")

return False

return True

def validate\_password(password):

if len(password) > 8:

print("Error: Password should not be greater than 8 characters.")

return False

has\_number = False

has\_special = False

special\_characters = "!@#$%^&\*(),.?\":{}|<>"

for char in password:

if char.isdigit():

has\_number = True

elif char in special\_characters:

has\_special = True

if not has\_number:

print("Error: Password must contain at least one number.")

return False

if not has\_special:

print("Error: Password must contain at least one special character.")

return False

return True

while True:

name = input("Enter your Name: ")

if not validate\_name(name):

continue

department = input("Enter your Department: ")

password = input("Enter your Password: ")

if not validate\_password(password):

continue

retype\_password = input("Re-Type your Password: ")

if password != retype\_password:

print("Error: Passwords do not match.")

continue

break

encoded\_name = "X" \* len(name)

encoded\_dep = "X" \* len(department)

encoded\_pass = "X" \* len(password)

encoded\_retype = "X" \* len(retype\_password)

print(f"\nYour Encoded Name is: {encoded\_name}")

print(f"Your Department is: {encoded\_dep}")

print(f"Your Password is: {encoded\_pass}")

print(f"Re-Type your Password: {encoded\_retype}")

#2

n=int(input("Enter the number of items in the list"))

t=int(input("Enter the target"))

arr=[]

for i in range(n):

a=int(input())

arr.append(a)

print(arr)

for i in arr:

if i==t:

arr.remove(i)

break

print("New array:",arr)

#3

n=int(input("Enter the number of elements in the array"))

arr=[]

for i in range(n):

a=input()

arr.append(a)

arr.reverse()

print("Your Inverse order Array is -",arr)

arr.reverse()

print("Your Non - Inverse Order Array is -",arr)