book\_list=[]

totalbook=int(input("total number of books:"))

for i in range(totalbook):

name=input("Enter book name:")

cost=int(input("Enter cost:"))

book\_list.append((name,cost))

print(book\_list)

def norepetation():

unique\_book=[]

for i in book\_list:

if i not in unique\_book:

unique\_book.append(i)

print(unique\_book)

norepetation()

def arrange():

for i in range(len(book\_list)):

for j in range(i+1,len(book\_list)):

if book\_list[i][1]>book\_list[j][1]:

temp=book\_list[i]

book\_list[i]=book\_list[j]

book\_list[j]=temp

print(book\_list)

arrange()

def greater500():

count=0

for i in range(len(book\_list)):

if book\_list[i][1]>500:

count=count+1

print("number of books with cost more than 500:",count)

greater500()

def lesser500():

new\_book\_list=[]

for i in range(len(book\_list)):

if book\_list[i][1]<500:

new\_book\_list.append(book\_list[i][0])

print("books name which has cost less than 500:",new\_book\_list)

lesser500()