from sys import argv

def main():

# Sample code to read inputs from the file

if len(argv) != 2:

raise Exception("File path not entered")

file\_path = argv[1]

f = open(file\_path, 'r')

data = {"TSHIRT":{"Price":1000,"Dis":10},

"JACKET":{"Price":2000,"Dis":5},

"CAP":{"Price":500,"Dis":20},

"NOTEBOOK":{"Price":200,"Dis":20},

"PENS":{"Price":300,"Dis":10},

"MARKERS":{"Price":500,"Dis":5}}

cart = []

out = []

x = []

lines = f.readlines()

for line in lines:

a = line.split()

if(a[0]=="ADD\_ITEM"):

clothing = ["TSHIRT","JACKET","CAP"]

stat = ["NOTEBOOK","PENS","MARKERS"]

name = a[1]

quantity = int(a[2])

if((name in clothing and quantity <= 2) or (name in stat and quantity <= 3)):

b = [name,quantity]

cart.append(b)

out.append("ITEM\_ADDED")

else:

out.append("ERROR\_QUANTITY\_EXCEEDED")

x.append(name)

elif(a[0]=="PRINT\_BILL"):

for i in out:

print(i)

final = 0

discount = 0

c = []

mtp = 0

for k in cart:

p = data[k[0]]["Price"]

mtp += (p \* k[1])

if mtp >= 1000:

for j in cart:

p = data[j[0]]["Price"]

d = data[j[0]]["Dis"]

dp = ((d/100)\*p) \* j[1]

pd = (p \* j[1]) - (dp)

c.append(pd)

discount += dp

final += pd

else :

final = mtp

realfinal = 0

if final >= 3000:

for i in c:

dd = (5/100)\*i

z = i - dd

discount += dd

realfinal += z

else:

realfinal = final

tax = realfinal + ((10/100)\*realfinal)

print("TOTAL\_DISCOUNT",round(discount,2))

print("TOTAL\_AMOUNT\_TO\_PAY",round(tax,2))

if \_name\_ == "\_main\_":

main(