**PROGRAM:**

def bill\_count(x,bill):

bill=[500,100,50,20,10,5,2,1]

count=[0,0,0,0,0,0,0,0]

sum=0

amount=0

for i,j in zip(bill,count):

if x>=i:

j=x//i

x=x-j\*i

print(i,":",j)

amount=amount+i\*j

sum=sum+j

print("total amount is:",amount)

print("total billcount is:",sum)

def main():

money=int(input("enter an amount (rs):"))

if(money<0):

print("invalid")

else:

bill\_count(money,bill=[500,100,50,20,10,5,2,1])

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

main()

**OUTPUT:**

enter an amount (rs):643

500 : 1

100 : 1

20 : 2

2 : 1

1 : 1

total amount is: 643

total billcount is: 6