**GreedyApproach**

from datetime import datetime  
start\_time=datetime.now()

def NumberOfCoins(TypesOfCoins,sum):  
 count=0  
 i = len(TypesOfCoins)- 1  
 while (i>=0):  
 while (sum>=TypesOfCoins[i]):  
 sum=sum-TypesOfCoins[i]  
 count+=1;  
 i=i-1  
 return count  
  
TypesOfCoins = list(map(int, input("Enter the types of coins: ").split(',')))  
sum = int(input('Enter the sum value= '))  
print('The total number of coins required are = ',NumberOfCoins(TypesOfCoins,sum))  
  
end\_time=datetime.now()  
print('Starting-time= ',start\_time)  
print('Ending-time= ',end\_time)  
print('Excution-Taken-Time= ',end\_time-start\_time)

Graphical user interface, text, application

Description automatically generated