Change in Coins

# Get amount in dollars and cents.
a=eval(input('Please enter amount: $'))

# Multiply by 100 to convert to cents.
a=int(100*a)

# Integer dividing (/) the total amount of pennies by 50,
# yields the number of half-dollars (hd).
hd=int(a/50)
print(hd,'half-dollars')

# "Mod-ing" the original amount by 50 yields the number of cents
# left after dividing by 50. It must be less than 50 cents, otherwise we would have had
# an additional half-dollar.
a=a%50

# Now let's get the number of quarters.
q=int(a/25)
print(q,'quarters')

# Mod-ing by 25 yields the amount of money left less than 25 cents.
a=a%25

# Now let's get the number of dimes.
d=int(a/10)
print(d,'dimes')

# Mod-ing by 10 yields the amount of money left less than 10 cents.
a=a%10

# Now let's get the number of nickels.
n=int(a/5)
print(n,'nickels')

# Mod-ing by 5 yields the amount of pennies left.
p=a
print(p,'pennies')

print('Total number of coins: '+str(hd+q+d+n+p)+',

check=(hd*50+q*25+d*10+n*5+p)/100
print('The original amount was '+'$'+str(check)+'.')