def solution(S):

hundreds = fifties = twenties = tens = fives = ones = 0

quarters = dimes = nickels = pennies = 0

dollars = float(S)

\_val = [100, 50, 20, 10, 5, 1, 0.25, .10, .05, .01]

# write your code in Python

idx = 0

while dollars > 0:

\_div = int(dollars / float(\_val[idx]));

if \_div > 0:

if idx == 0:

hundreds += \_div

elif idx == 1:

fifties += 1

elif idx == 2:

twenties += \_div

elif idx == 3:

tens += \_div

elif idx == 4:

fives += \_div

elif idx == 5:

ones += \_div

elif idx == 6:

quarters += \_div

elif idx == 7:

dimes += \_div

elif idx == 8:

nickles += \_div

else: # idx == 9:

pennnies += \_div

# update dollars

dollars = dollars % \_val[idx]

#increase idx

if idx < len(\_val)-1:

idx += 1

return [hundreds, fifties, twenties, tens, fives, ones, quarters, dimes, nickels, pennies]