gen\_invoice\_matome

import openpyxl as excel, json

# 各種設定 --- (\*1)

in\_file = 'matome.json'

out\_dir = './invoice02'

template\_file = 'invoice-template.xlsx'

subject = "11月分のご請求"

#メイン処理 --- (\*2)

def gen\_invoice():

 # JSONファイルを読み込む --- (\*3)

 with open(in\_file, "rt") as fp:

 users = json.load(fp)

 # 顧客ごとに請求書を作成 --- (\*4)

 for name, data in users.items():

 make\_user\_invoice(name, data)

# テンプレートにデータを流し込む --- (\*5)

def make\_user\_invoice(name, data):

 # テンプレートを読み込む --- (\*6)

 book = excel.load\_workbook(template\_file)

 sheet = book.active

 # シートに名前と件名と金額を書き込む --- (\*7)

 sheet["B4"] = name

 sheet["C10"] = subject

 sheet["C11"] = data["total"]

 # 内訳を連続で書き込む --- (\*8)

 for i, it in enumerate(data['items']):

 date, summary, cnt, price = it

 row = 15 + i

 sheet.cell(row, 2, summary+'('+date+')')

 sheet.cell(row, 5, cnt)

 sheet.cell(row, 6, price)

 sheet.cell(row, 7, cnt\*price)

 # 請求書をファイルに保存 --- (\*9)

 out\_file = out\_dir+'/' + name + '様.xlsx'

 book.save(out\_file)

 print("save: ", out\_file)

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

 gen\_invoice() # メイン処理を実行