import json

OPEN\_TIME = 10

CLOSE\_TIME = 21

def check\_date(str\_date):

if len(str\_date.split("-")) != 3:

return False

y, m, d = str\_date.split("-")

# if len(year) != 4 or len(month) != 2 or len(day) != 2:

# return False

# if not(year.isdigit() and month.isdigit() and day.isdigit()):

if y.isdigit() and m.isdigit() and d.isdigit():

y, m, d = int(y), int(m), int(d)

if 2000 <= y <= 3000 and 1 <= m <= 12 and 1 <= d <= 31:

return True

else:

return False

def check\_int(number, begin, end):

if not(number.isdigit()):

return False

number = int(number)

return begin <= number <= end

def ask\_int(begin, end):

number = None

while number is None:

temp = input()

if check\_int(temp, begin, end):

number = int(temp)

else:

print("Введена не коректная дата")

def ask\_user():

print("Введите время ожидания очереди (в часах):")

# wait = None

# while wait is None:

# temp = input()

# if temp.isdigit() and 0 <= int(temp) <= 24:

# wait = int(temp)

# else:

# print("Введена не корректное значение!")

wait = ask\_int(0, 12)

print(f"Введите час, в котором вы посещали МФЦ? (от {OPEN\_TIME} до {CLOSE\_TIME})")

# hour = None

# while hour is None:

# temp = input()

# if temp.isdigit() and OPEN\_TIME <= int(temp) <= CLOSE\_TIME:

# hour = int(temp)

# else:

# print("Введите коррректное значение!")

hour = ask\_int(OPEN\_TIME, CLOSE\_TIME)

print("Введите дату посещения (в формате YYYY-MM-DD):")

date = None

while date is None:

temp = input()

if check\_date(temp):

date = temp

else:

print("Введите коррректное значение!")

return {

"wait" : wait,

"hour" : hour,

"date" : date

}

def load\_info():

with open("info.json") as f:

info = json.load(f)

return info

def load\_stat():

with open("stat.json") as f:

stat = json.load(f)

return stat

def save\_stat(stat):

with open("stat.json", "w") as f:

stat = json.dump(stat, f)

def save\_info(info):

with open("info.json", "w") as f:

json.dump(info, f)

def main():

stat = load\_info()

while True:

stat.append(ask\_user())

print("Продолжить заполнять анкету (Да/Нет)?")

temp = input()

if temp.lower() != "Да":

break

save\_info(stat)

main()

def ask\_date():

print("Введите дату:")

date = None

while date is None:

temp = input()

if check\_date(temp):

date = temp

else:

print("Введена не коректная дата")

return date