컴퓨터 네트워크 과제

(패킷 병합 과제)

학과: 컴퓨터공학과

학번: 2017E7005

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1. 소스코드

```
sort = [[] for i in range(len(dic))]
sequence = [[] for j in range(len(dic))]
payload = [[] for k in range(len(dic))]
value = list(dic.values())
temp = ''
for i in range(len(value)):
    temp = value[i]
    if temp.find('放送') != -1:
        for j in range(temp.count('放送')+1):
            if temp.find('放送') == -1:
                sort[i].append(temp)
                count2 = sort[i][j].find('新聞')
                sequence[i].append(sort[i][j][:count2])
                payload[i].append(sort[i][j][count2+2:])
            else:
                count = temp.find('放送') #찾은 위치를 저장.
                sort[i].append(temp[:count]) #sort 리스트에 방송 전까지의 내용을 저장
                count2 = sort[i][j].find('新聞')
                sequence[i].append(sort[i][j][:count2])
                payload[i].append(sort[i][j][count2+2:])
                temp = temp[count + 2:] #방송 제거
    elif temp.find('放送') == -1:
        sort[i].append(temp)
        count2 = sort[i][0].find('新聞')
        sequence[i].append(sort[i][0][:count2])
        payload[i].append(sort[i][0][count2 + 2:])
for i in range(len(sequence)):#선택정렬
    for j in range(len(sequence[i]), 0 , -1):
        max = 0
        for k in range(0, j):
            if sequence[i][k] > sequence[i][max]:
                max = k
        sequence[i][max], sequence[i][k] = sequence[i][k], sequence[i][max]
        payload[i][max], payload[i][k] = payload[i][k], payload[i][max]

total_payload = []
```

```
for i in range(len(payload)):
    tmp = ''
    for j in range(len(payload[i])):
        tmp += payload[i][j]
    total_payload.append(tmp)


SIG_JPEG = "ffd8ffe0"
SIG_JPEG2 = "ffd8ffe1"
SIG_JPEG3 = "ffd8ffe8"
SIG_JPEG_END = "ffd9"

pic_data = []
for i in range(len(total_payload)):
    tmp = total_payload[i]
    if tmp.find(SIG_JPEG) != -1 and tmp.find(SIG_JPEG_END) != -1 and tmp.find(SIG_JPEG) < tmp.find(SIG_JPEG_END):
        pic_data.append(tmp[tmp.find(SIG_JPEG):])

    elif tmp.find(SIG_JPEG2) != -1 and tmp.find(SIG_JPEG_END) != -1 and tmp.find(SIG_JPEG2) < tmp.find(SIG_JPEG_END):
        pic_data.append(tmp[tmp.find(SIG_JPEG2):])

    elif tmp.find(SIG_JPEG3) != - 1 and tmp.find(SIG_JPEG_END) != -1 and tmp.find(SIG_JPEG3) < tmp.find(SIG_JPEG_END):
        pic_data.append(tmp[tmp.find(SIG_JPEG3):])

temp_pic_data = ''
for i in range(len(pic_data)):
    temp_pic_data = bytes.fromhex(pic_data[i])
    with open('image' + str(i) + '.jpeg', 'wb') as file:
        file.write(temp_pic_data)
```

2. 실행결과

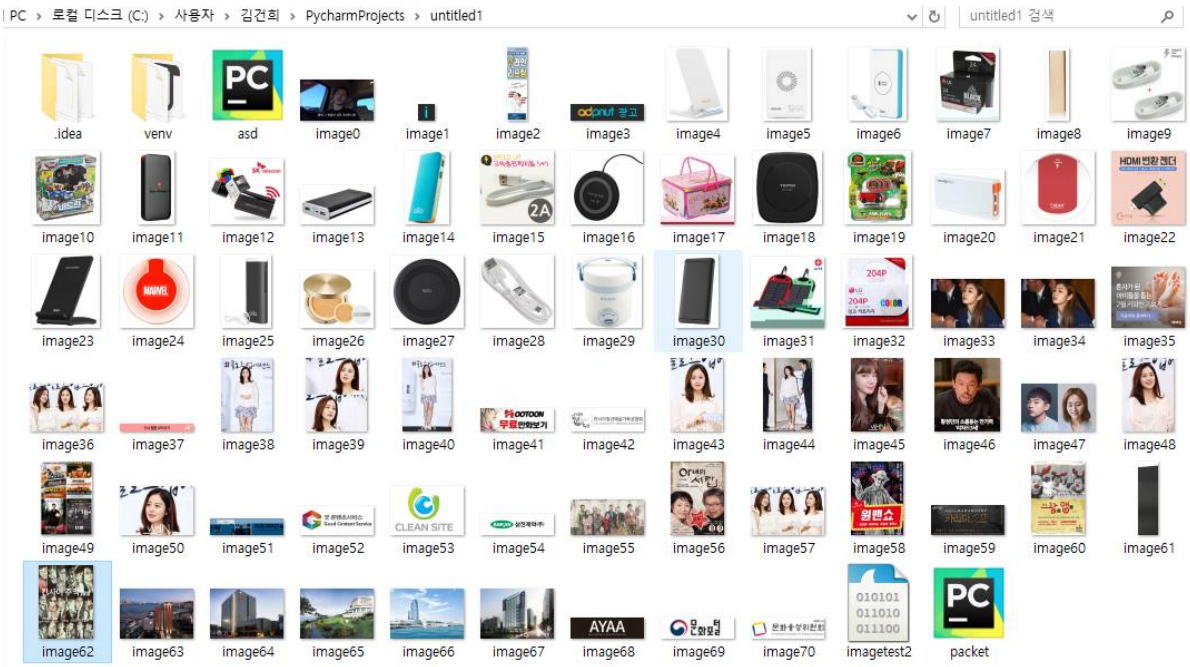
PC › 로컬 디스크 (C:) › 사용자 › 김건희 › PycharmProjects › untitled1
untitled1 검색
.idea
venv
asd
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image4
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