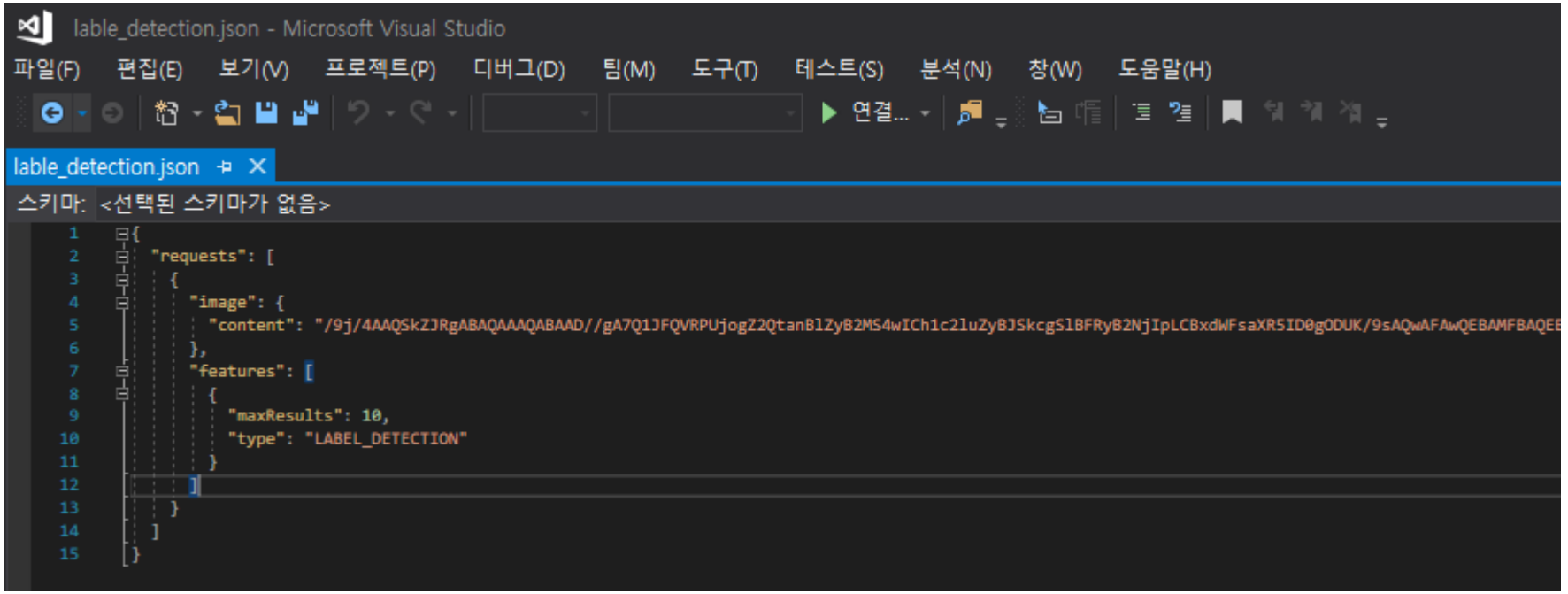
Google API – 라벨 감지

1. 요청 request용 json 파일 생성

content 는 분석하려는 이미지파일의 base64 인코딩 데이터여야 합니다.



2. 실행

- power shell에 아래의 내용을 입력합니다.

```
PS C:₩Users₩memen> $cred = gcloud auth application-default print-access-token
PS C:₩Users₩memen> $headers = @{ "Authorization" = "Bearer $cred" }
PS C:₩Users₩memen>
PS C:₩Users₩memen> Invoke-WebRequest `
>>   -Method POST `
>>   -Headers $headers `
>>   -ContentType: "application/json; charset=utf-8" `
>>   -InFile lable_detection.json `
>>   -Uri "https://vision.googleapis.com/v1/images:annotate" | Select-Object -Expand Content
```

3. 실행결과


```
{
  "responses": [
    {
      "labelAnnotations": [
        {
          "mid": "/m/03q69",
          "description": "Hair",
          "score": 0.96488434,
          "topicality": 0.96488434
        },
        {
          "mid": "/m/0dzct",
          "description": "Face",
          "score": 0.9635253,
          "topicality": 0.9635253
        },
        {
          "mid": "/m/06z04",
          "description": "Skin",
          "score": 0.9355762,
          "topicality": 0.9355762
        },
        {
          "mid": "/m/0ytgt",
          "description": "Child",
          "score": 0.9129607,
          "topicality": 0.9129607
        },
        {
          "mid": "/m/01f43",
          "description": "Beauty",
          "score": 0.91064364,
          "topicality": 0.91064364
        },
        {
          "mid": "/m/01fklc",
          "description": "Pink",
          "score": 0.8651782,
          "topicality": 0.8651782
        },
        {
          "mid": "/m/06pj2k",
          "description": "Lip",
          "score": 0.846406,
          "topicality": 0.846406
        },
        {
          "mid": "/m/014sv8",
          "description": "Eye",
          "score": 0.83711183,
          "topicality": 0.83711183
        },
        {
          "mid": "/m/0c9ph5",
          "description": "Flower",
          "score": 0.82152534,
          "topicality": 0.82152534
        },
        {
          "mid": "/m/01txr2",
          "description": "Spring",
          "score": 0.8100998,
          "topicality": 0.8100998
        }
      ]
    }
  ]
}
```

Google API – 특징(랜드마크) 감지

1. 요청 request용 json 파일 생성

content 는 분석하려는 이미지파일의 base64 인코딩 데이터여야 합니다.

landmark_detection.json

스키마: <선택된 스키마가 없음>


```json
{
  "requests": [
    {
      "image": {
        "content": "iVBORw0KGgoAAAANSUhEUgAAAgAAAAFVCAIAAAAWscB0AAAAA3NCSVQICAjb4U/gAAAgAElEQVR4nFS9XbIsybKk9al5RK6q2wwCQaR7FEA/MgsQehSMjXFBn7Myw015UPPc
      },
      "features": [
        {
          "maxResults": 10,
          "type": "LANDMARK_DETECTION"
        }
      ]
    }
  ]
}
```


입력 이미지는 우측과 같습니다.

2. 실행

- power shell에 아래의 내용을 입력합니다.

```
PS C:¥Users¥memen> $cred = gcloud auth application-default print-access-token
PS C:¥Users¥memen> $headers = @{ "Authorization" = "Bearer $cred" }
PS C:¥Users¥memen>
PS C:¥Users¥memen> Invoke-WebRequest `
>>   -Method POST `
>>   -Headers $headers `
>>   -ContentType: "application/json; charset=utf-8" `
>>   -InFile landmark_detection.json `
>>   -Uri "https://vision.googleapis.com/v1/images:annotate" | Select-Object -Expand Content
```

3. 실행결과


```
{
  "responses": [
    {
      "landmarkAnnotations": [
        {
          "mid": "/g/11ckqrqfdz",
          "description": "한화 불꽃계단",
          "score": 0.6786692,
          "boundingPoly": {
            "vertices": [
              {
                "x": 115,
                "y": 102
              },
              {
                "x": 396,
                "y": 102
              },
              {
                "x": 396,
                "y": 250
              },
              {
                "x": 115,
                "y": 250
              }
            ]
          },
          "locations": [
            {
              "latLng": {
                "latitude": 37.5238535,
                "longitude": 126.93915620000001
              }
            }
          ]
        },
```

```
{
        "mid": "/m/06rbgx",
        "description": "63 Building",
        "score": 0.5590645,
        "boundingPoly": {
          "vertices": [
            {
              "x": 266,
              "y": 72
            },
            {
              "x": 323,
              "y": 72
            },
            {
              "x": 323,
              "y": 204
            },
            {
              "x": 266,
              "y": 204
            }
          ]
        },
        "locations": [
          {
            "latLng": {
              "latitude": 37.523604999999996,
              "longitude": 126.94006899999998
            }
          }
        ]
      },
```

```
{
        "mid": "/g/1vm78d4m",
        "description": "Yeouido Hangang Park",
        "score": 0.32168385,
        "boundingPoly": {
          "vertices": [
            {
              "x": 286,
              "y": 86
            },
            {
              "x": 343,
              "y": 86
            },
            {
              "x": 343,
              "y": 225
            },
            {
              "x": 286,
              "y": 225
            }
          ]
        },
        "locations": [
          {
            "latLng": {
              "latitude": 37.528401699999996,
              "longitude": 126.9343012
            }
          }
        ]
      }
    ]
  }
]
}
```