

(이론 문제)

1. 2

2. 1

3. 2

4.

(1) `requests.get("https://www.naver.com/")`

(2) `response.status_code` is 200

5. 3

6. 2

7. 2

8. 4

9. 3

10. 4

(실습 문제)

1.

모범 답안 (책에 정답은 들어가지 않습니다)

```
import requests
from bs4 import BeautifulSoup

response =
requests.get("https://ko.wikipedia.org/wiki/%EA%B0%95%EC%95%84%EC%A7%80")
assert response.status_code is 200

dom = BeautifulSoup(response.content, "html.parser")

img_list = dom.select("#content img")

for i, img in enumerate(img_list) :
    img_src = "https:" + img.get('src')

    resp2 = requests.get(img_src)
    assert response.status_code is 200

    file_name_start = img_src.rindex('/')

    if img_src[-4:].lower() == '.jpg' or img_src[-4:].lower() == '.png' :
        new_file_name = img_src[file_name_start:]
        if len(new_file_name) > 20 :
            new_file_name = new_file_name[-20:]
            new_file_name = str(i) + new_file_name
        try :
            print(new_file_name)
            with open("wiki_img/" + new_file_name, "wb") as fp:
                fp.write(resp2.content)
        except :
            pass
```

2.

모범 답안 (책에 정답은 들어가지 않습니다)

```
from bs4 import BeautifulSoup
from selenium import webdriver
import time

path = 'C:\\chromedriver.exe'
driver = webdriver.Chrome(path)
driver.get('https://www.naver.com/')

search = driver.find_element_by_css_selector("#query")
search.send_keys("딥러닝")
driver.find_element_by_id("search_btn").click()
```

```
driver.implicitly_wait(3)
driver.find_element_by_css_selector("div.lnb_menu ul.base li.lnb3").click()
```

3.

모범 답안 (책에 정답은 들어가지 않습니다)

```
from bs4 import BeautifulSoup
from selenium import webdriver
import time

path = 'C:\\chromedriver.exe'
driver = webdriver.Chrome(path)
driver.get('https://www.naver.com/')

search = driver.find_element_by_css_selector("#query")
search.send_keys("딤편")
driver.find_element_by_id("search_btn").click()

driver.implicitly_wait(3)
driver.find_element_by_css_selector("div.lnb_menu ul.base li.lnb3").click()

driver.implicitly_wait(3)
result_area = driver.find_element_by_id("elThumbnailResultArea")
blog_titles = result_area.find_elements_by_css_selector("li dl
dt .sh_blog_title")
for i, title in enumerate(blog_titles) :
    print(i, title.text)
    print(title.get_attribute('href'))
```

4.

모범 답안 (책에 정답은 들어가지 않습니다)

```
from selenium import webdriver

path = 'C:\\chromedriver.exe'
driver = webdriver.Chrome(path)
driver.get('http://www.kocw.net/home/index.do')

search = driver.find_element_by_css_selector("input#query.searchTxt")
search.send_keys("딤편")
driver.find_element_by_css_selector("input.searchBtn").click()

contentWrap = driver.find_element_by_css_selector("div.lectureContentWrap")
content_info_list = contentWrap.find_elements_by_css_selector("dl.listWrap2 dl");
for content_info in content_info_list :
    title = content_info.find_element_by_css_selector("dt strong a").text
    univ = content_info.find_element_by_css_selector("span.first-child").text
    print("%s (%s)" %(title, univ))
```

5.

12장 실습문제 5번은 파이널 프로젝트로 대신 합니다.