

Q1

In [2]:

```
# <K-digital training 37|>
text = '<K-digital training 37|>'
print(text.capitalize())
```

```
<k-digital training 37|>
```

Q2

In [5]:

```
import requests
URL = 'https://www.youtube.com'
response = requests.get(URL)
print(response.text)
```

```
e,startTick,false)}if(d.addEventListener)d.addEventListener(vName,function(){ytcsi.
tick("vc")},
false);function isGecko(){if(!w.navigator)return false;try{if(w.navigator.userAgent
Data&&w.navigator.userAgentData.brands&&w.navigator.userAgentData.brands.length){va
r brands=w.navigator.userAgentData.brands;for(var i=0;i<brands.length;i++){if(brands
[i]&&brands[i].brand==="Firefox")return true;return false}}catch(e){setTimeout(func
tion(){throw e;}}if(!w.navigator.userAgent)return false;var ua=w.navigator.userAge
nt;return ua.indexOf("Gecko")>0&&ua.toLowerCase().indexOf("webkit")<0&&ua.indexOf
("Edge")<
0&&ua.indexOf("Trident")<0&&ua.indexOf("MSIE")<0}if(isGecko()){var isHidden=(d.visi
bilityState||d.webkitVisibilityState)=="hidden";if(isHidden)ytcsi.tick("vc")}var sl
t=function(el,t){setTimeout(function(){var n=ytcsi.now();el.loadTime=n;if(el.slt)e
l.slt(),t});w.__yRIL=function(el){if(!el.getAttribute("data-thumb"))if(w.requestA
nimationFrame)w.requestAnimationFrame(function(){slt(el,0)});else slt(el,16)}}(win
dow,document);
</script><script nonce="83VExPYHxfd4eYZwzf1AIw">(function() {var img = new Image().
src = "https://i.ytimg.com/generate_204";})();</script><script src="https://www.you
tube.com/s/desktop/35e75ccf/jsbin/web-animations-next-lite.min.vflset/web-animatio
s-next-lite.min.js" nonce="83VExPYHxfd4eYZwzf1AIw"></script><script src="https://ww
w.youtube.com/s/desktop/35e75ccf/jsbin/webcomponents-all-noPatch.vflset/webcomponen
ts-all-noPatch.js" nonce="83VExPYHxfd4eYZwzf1AIw"></script><script src="https://ww
```

In [8]:

```
import urllib
URL = 'https://www.youtube.com'
response = urllib.request.urlopen(URL)
byte_data = response.read()
text_data = byte_data.decode('utf-8')
print(text_data)

[tag];if(!p){p=Object.create(this.getNativePrototype(tag));var p$=Object.getOwnProp
ertyNames(window["Polymer"].Base);for(var i=0,n=undefined;i<p$.length&&(n=p$[i]);i+
+)if(!window["Polymer"].BaseDescriptors[n])try{p[n]=window["Polymer"].Base[n]}catch
(e){throw new Error("Error while copying property: "+n+". Tag is "+tag);}try{Objec
t.defineProperties(p,window["Polymer"].BaseDescriptors)}catch(e$0){throw new Error
("Polymer define property failed for "+
Object.keys(p));}this._nativePrototypes[tag]=p}return p}function handlePolymerError
(msg){window.onerror(msg,window.location.href,0,0,new Error(Array.prototype.join.ca
ll(arguments,"")))}var origPolymer=window["Polymer"];var newPolymer=function(confi
g){if(!origPolymer._ytIntercepted&&window["Polymer"].Base){origPolymer._ytIntercept
ed=true;window["Polymer"].Base._getExtendedNativePrototype=_getExtendedNativeProtot
ype;window["Polymer"].Base._error=handlePolymerError;window["Polymer"].Base._warn=h
andlePolymerError}return origPolymer.apply(this,

arguments));var origDescriptor=Object.getOwnPropertyDescriptor(window,"Polymer");Ob
ject.defineProperty(window,"Polymer",{set:function(p){if(origDescriptor&&origDescri
ptor.set&&origDescriptor.get){origDescriptor.set(p);origPolymer=origDescriptor.get
()}else origPolymer=p;if(typeof origPolymer==="function")Object.defineProperty(wind
ow,"Polymer",{value:origPolymer,configurable:true,enumerable:true,writable:true}},
get:function(){return typeof origPolymer==="function"?newPolymer:origPolymer},confi
gurable:true,
```

Q3

In [19]:

```
# import re
# import requests
# URL = 'https://www.youtube.com'
# response = requests.get(URL)
# html_data = response.text
# sp = html_data.split('"style-scope yt-chip-cloud-chip-renderer" title="음악">')
```

**IndexError**

Traceback (most recent call last)

<ipython-input-19-ac03b0c74742> in <module>

4 response = requests.get(URL)

5 html\_data = response.text

----> 6 sp = html\_data.split('"style-scope yt-chip-cloud-chip-renderer" title="음악">')[1]

**IndexError:** list index out of range

Q4

In [21]:

```
import urllib
img_src = 'https://image.dongascience.com/Photo/2017/03/14900752352661.jpg'
name = 'img.png'
urllib.request.urlretrieve(img_src,name)
```

```
('img.png', <http.client.HTTPMessage at 0x21200c530a0>)
```

Q5

In [30]:

```
import urllib.request
from bs4 import BeautifulSoup
page = urllib.request.urlopen('https://movie.naver.com/movie/sdb/rank/rmovie.nh
soup = BeautifulSoup(page,'html.parser')
rank = soup.find('div',{'class':"title"})
rank1 = rank.text
rank2 = rank.strip(" ")
rank3 = rank2.strip(" ")
rank3[0]
```

-----  
**ModuleNotFoundError**

Traceback (most recent call last)

<ipython-input-30-cf7d2d0f9a94> in <module>

```
1 import urllib.request
----> 2 from bs4 import BeautifulSoup
      3 page = urllib.request.urlopen('https://movie.naver.com/movie/sdb/rank/rmovi
e.nhn')
      4 soup = BeautifulSoup(page,'html.parser')
      5 rank = soup.find('div',{'class':"title"})
```

**ModuleNotFoundError**: No module named 'bs4'

In [ ]:

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