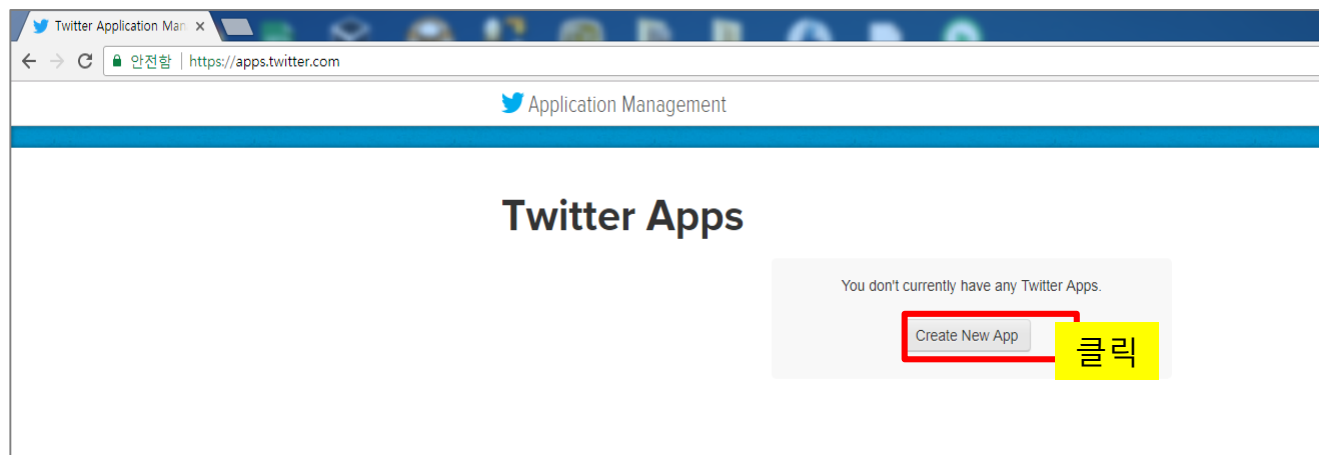
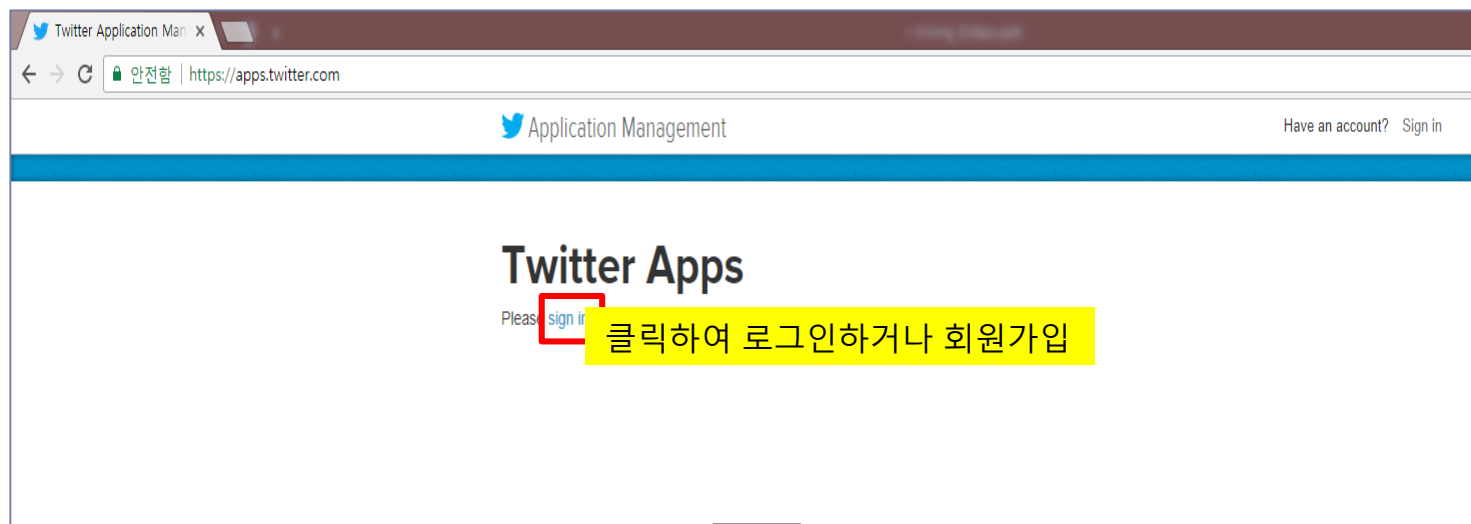




데이터 수집-트위터 앱 가입하고 연결하는 방법 설명

I. 트위터 app 생성하기

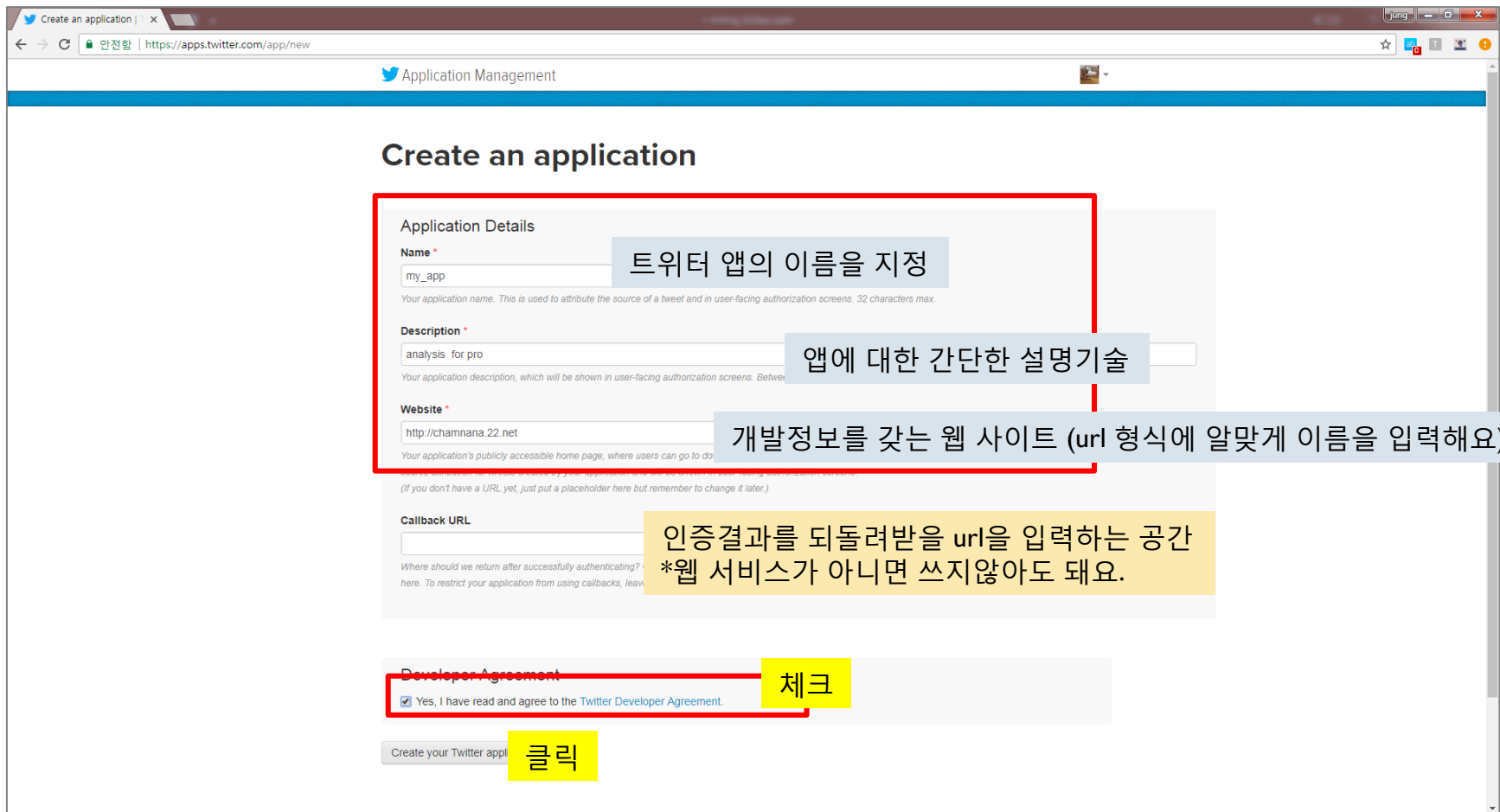
I. 트위터 개발자 앱관리 페이지 <https://apps.twitter.com>에 접속하여 로그인 혹은 회원가입을 해요.



트위터에 먼저 회원가입
이 되어 있어야 해요. 안
되어 있다면, twitter.com
에서 가입해주세요 ^^



2. 그림처럼 앱 등록화면이 나타나면, 그림처럼 name, description, website 항목에 차례대로 입력해요.



The screenshot shows the 'Create an application' page on Twitter. The page is titled 'Create an application' and has a sub-header 'Application Management'. The main form is titled 'Application Details' and contains the following fields:

- Name ***: A text input field with the value 'my_app'. A blue annotation box says '트위터 앱의 이름을 지정' (Specify the name of the Twitter app).
- Description ***: A text input field with the value 'analysis for pro'. A blue annotation box says '앱에 대한 간단한 설명기술' (Simple description of the app).
- Website ***: A text input field with the value 'http://chamnana.22.net'. A blue annotation box says '개발정보를 갖는 웹 사이트 (url 형식에 맞게 이름을 입력해요)' (Website with development information (enter the name in url format)).
- Callback URL**: A text input field that is empty. A yellow annotation box says '인증결과를 되돌려받을 url을 입력하는 공간 *웹 서비스가 아니면 쓰지않아도 돼요.' (Space to enter the url to receive the authentication result *You don't have to use it if it's not a web service).

Below the form, there is a 'Developer Agreement' section with a checkbox labeled 'Yes, I have read and agree to the Twitter Developer Agreement.' and a yellow annotation box saying '체크' (Check). At the bottom, there is a button labeled 'Create your Twitter app' and a yellow annotation box saying '클릭' (Click).



3. 이렇게 신규앱이 등록된 것을 확인할 수 있어요. 화면에서 보면, 앱의 컨슈머 키 즉, api키가 발급된 걸 알 수 있어요. “manage keys and access tokens” 부분을 클릭하여 키 관리화면으로 이동합니다.

The screenshot shows the Twitter Application Management interface for an application named 'my_favoritsample'. The page is divided into two main sections: 'Application Settings' and 'Your Access Token'. In the 'Application Settings' section, the 'Consumer Key (API Key)' is highlighted with a red box, and a blue arrow points to it with the Korean text '클릭' (Click). Below this, the 'Your Access Token' section has a 'Create my access token' button highlighted with a red box, with a yellow box containing the text '트위터에 접근하기 위한 토큰값을 받기 위해 클릭' (Click to receive the token value to access Twitter) next to it.

Application Management

Your application has been created. Please take a moment to review and adjust your application's settings.

my_favoritsample

Test OAuth

Details Settings Keys and Access Tokens Permissions

my sample twitter app
http://chamnawon.net

Organization

Information about the organization or company associated with your application. This information is optional.

Organization None

Organization website None

Application Settings

Your application's Consumer Key and Secret are used to [authenticate](#) requests to the Twitter Platform.

Access level	Read and write (modify app permissions)
Consumer Key (API Key)	fxd8VtG22tTN25KvQLiF5DjFE (manage keys and access tokens)
Callback URL	None
Callback URL Locked	No
Sign in with Twitter	Yes
App-only authentication	https://api.twitter.com/oauth2/token
Request token URL	https://api.twitter.com/oauth/request_token
Authorize URL	https://api.twitter.com/oauth/authorize
Access token URL	https://api.twitter.com/oauth/access_token

Application Actions

[Regenerate Consumer Key and Secret](#) [Change App Permissions](#)

Your Access Token

You haven't authorized this application for your own account yet.

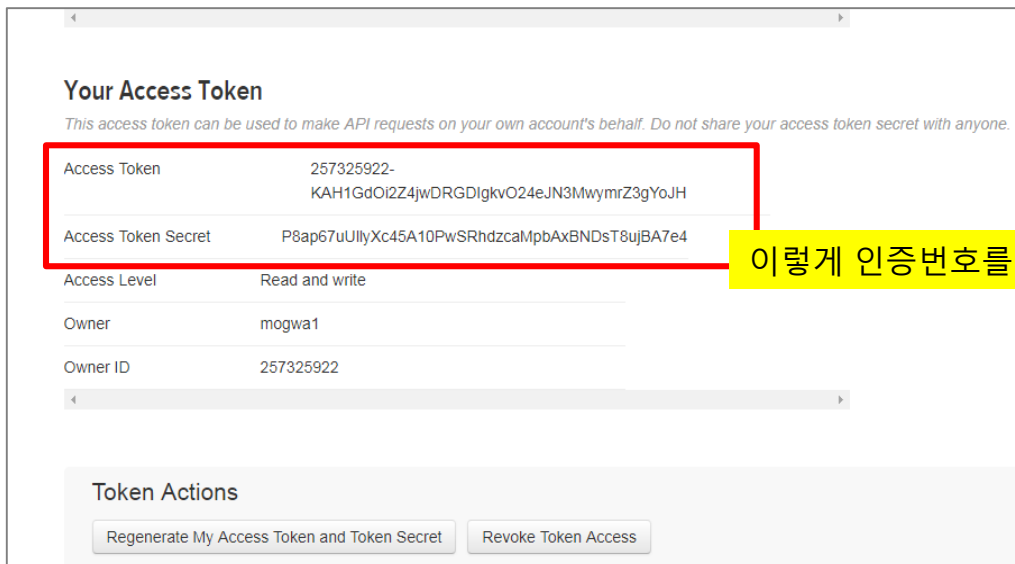
By creating your access token here, you will have everything you need to make API calls right away. The access token generated will be assigned your application's current permission level.

Token Actions

[Create my access token](#)

트위터에 접근하기 위한 토큰값을 받기 위해 클릭

4. 그림처럼 access token과 secret 을 발급받게 돼요. 여기까지 설정작업을 마무리 해요.



Your Access Token

This access token can be used to make API requests on your own account's behalf. Do not share your access token secret with anyone.

Access Token	257325922-KAH1GdOI2Z4jwDRGDlgkvO24eJN3MwymrZ3gYoJH
Access Token Secret	P8ap67uUlyXc45A10PwSRhdzcaMpbAxBNdsT8ujBA7e4
Access Level	Read and write
Owner	mogwa1
Owner ID	257325922

Token Actions

Regenerate My Access Token and Token Secret Revoke Token Access

이렇게 인증번호를 할당받아요

2. 트위터 app과 R 연결

트위터 크롤링을 위한 인증작업을 그림과 같은 순서로 코딩해보아요.

```
> install.packages("twitter")
```

twitter-트위터 API에 접근할 수 있게끔해요.

--- 현재 세션에서 사용할 CRAN 미러를 선택해 주세요 ---

URL 'http://cran.nexr.com/bin/windows/contrib/3.4/twitter_1.1.9.zip'을 시도\$

Content type 'application/zip' length 453005 bytes (442 KB)

downloaded 442 KB

패키지 'twitter'를 성공적으로 압축해제하였고 MD5 sums 이 확인되었습니다

다운로드된 바이너리 패키지들은 다음의 위치에 있습니다

C:\Users\Administrator\AppData\Local\Temp\Rtmp08g2Ju\downloaded_pack\$

```
> library(twitter)
```

```
> Sys.setenv(JAVA_HOME="c:\\program files\\java\\jdk1.8.0_141")
```

패키지 구동시 Rjava 관련 오류가 발생할 때 이와 같이 jdk설치경로를 기술해줍니다.

```
> install.packages("KoNLP")
```

경고: 패키지 'KoNLP'가 사용중이므로 설치되지 않을 것입니다

```
> library(KoNLP)
```

```
> api_key <- "fxd8VtG22tTN25KvQLiF5Djfe"
```

```
> api_secret <- "nAhcVYDk4aGv1D5W4Hr5GizSsbKEafy2LmiUJ0PYbxpufTh6xY"
```

```
> access_token <- "257325922-KAH1GdOi2Z4jwDRGDIgkv024eJN3MwymrZ3gYoJH"
```

```
> access_token_secret <- "P8ap67uU1lyXc45A10PwSRhdzcaMpbAxBNDsT8ujBA7e4"
```

api에 접근하기 위한 api 키/시크릿키, 인증을 위한 access_token, access_token_secret 값을 입력해요.

```
> setup_twitter_oauth(api_key, api_secret, access_token, access_token_secret)
```

트위터에 인증요청

```
[1] "Using direct authentication"
```

이렇게 뜨면 R에서 트윗내용을 읽어올 수 있어요^^

```
> searchTwitter("android")
[[1]]
[1] "sn_248: モイ ! Androidからキャス配信"

[[2]]
[1] "ErwanLC: @Anteus20 @Numerama @CorentinJL mais c'est bien le cas (en tous cas sous android) : https:$

[[3]]
[1] "KHFC_FanApp: @JJHoitema Thanks for following us, join the discussion in the app! iOS at https://t.c$

[[4]]
[1] "PTFCApp: @vblair25 Thanks for following us on Twitter. Why not download the app? iOS at https://t.c$

[[5]]
[1] "12148toukl: モイ ! Androidからキャス配信中 - / オナ中電話したい方? https://t.co/QhDH3X85qT"

[[6]]
[1] "YourAnonRevolt: RT @josephfcox: Spyfones, the company selling Android and iOS devices that come pre$

[[7]]
[1] "pranalipathaks1: @Trevoreon Hey, I can help you with.I have experience in developing an app for and$
```

인증이 되어있다면 트윗 내용을 읽어올 수 있겠죠?
시험삼아 검색어를 입력하고 실행해보세요.