

NVIDIA GPU용 CUDA 툴킷 환경설정

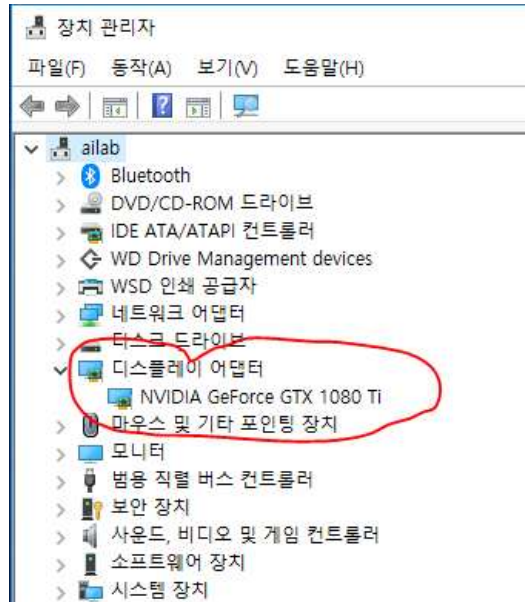
[1] CUDA 실행환경:

- A CUDA-capable GPU
- A supported version of Microsoft Windows
- A supported version of Microsoft Visual Studio
- the NVIDIA CUDA Toolkit

[2] 상세 설명: <https://docs.nvidia.com/cuda/cuda-installation-guide-microsoft-windows/>

[3] 설치 상세 :

1. 장치관리자에서 NVIDIA GPU확인

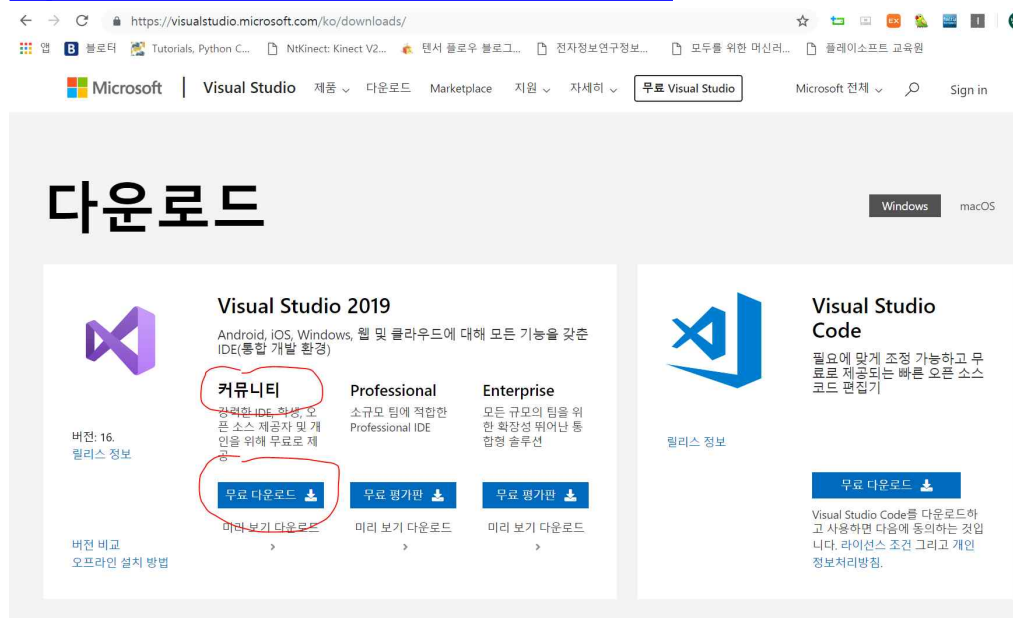


또는 명령Prompt에서

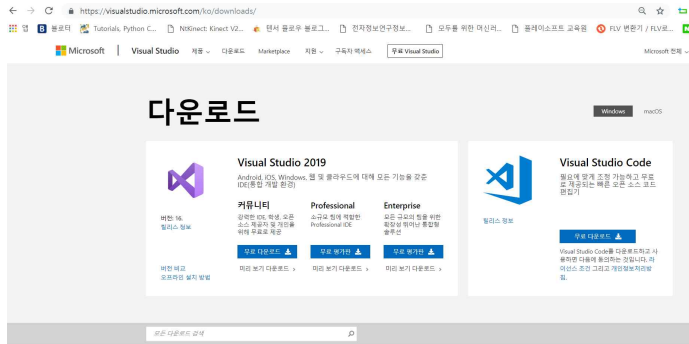
c:\> control /name Microsoft.DeviceManager 실행

2. C++ Build Tool을 설치하기 위하여 MS Visual Studio(Community 버전)를 설치한다

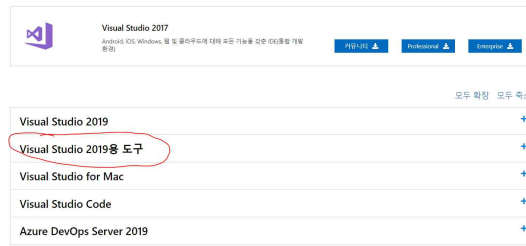
<https://visualstudio.microsoft.com/ko/downloads/>



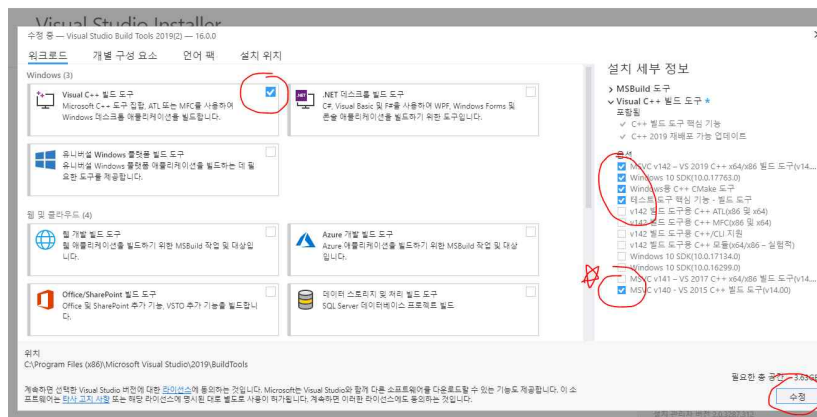
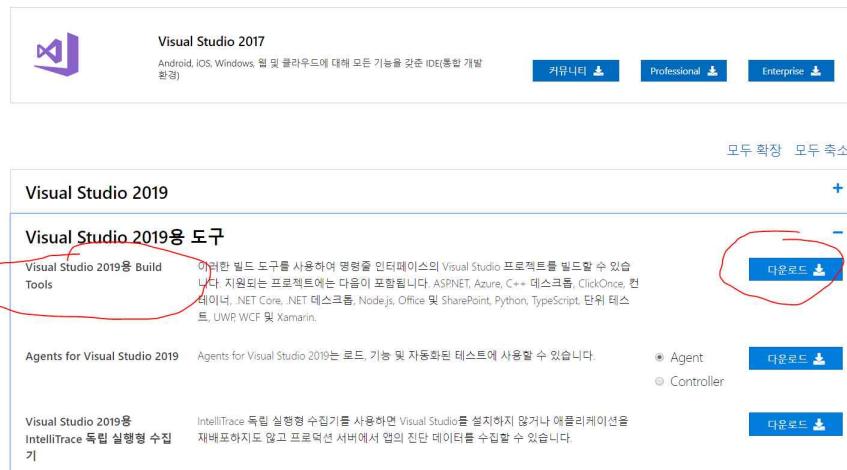
Visual Studio용 도구를 설치한다



모든 다운로드

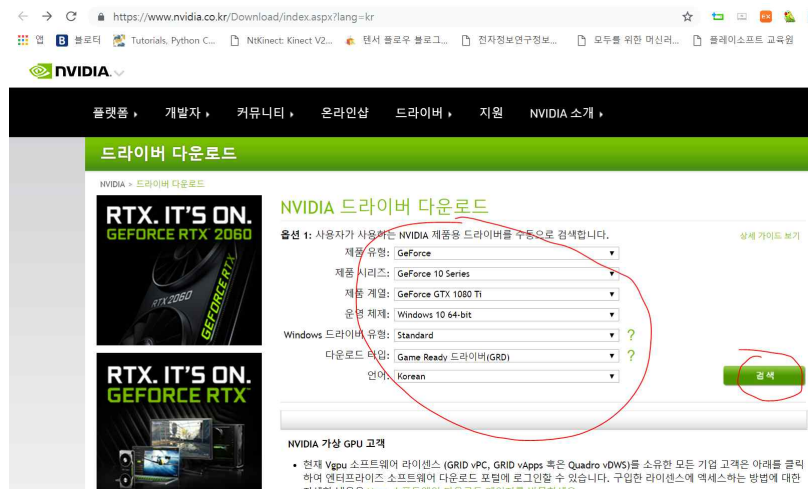


모든 다운로드



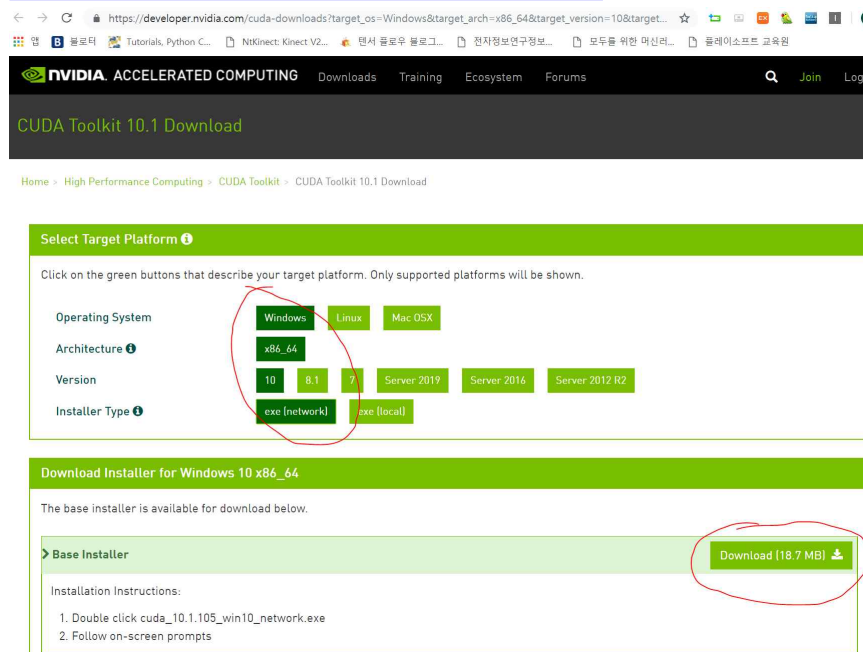
3. 다음 사이트에서 최신 GPU드라이버를 다운로드 및 설치한다

<https://www.nvidia.co.kr/Download/index.aspx?lang=kr>



4. 다음 사이트에 접속해서 CUDA Toolkit 다운로드 및 설치

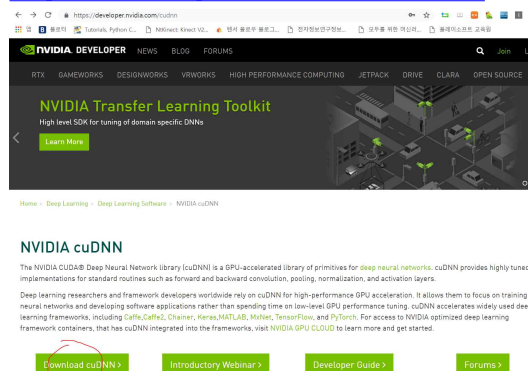
<http://developer.nvidia.com/cuda-downloads>



5. 다음 사이트에 접속해서 cuDNN 다운로드 및 설치

<https://developer.nvidia.com/cudnn>

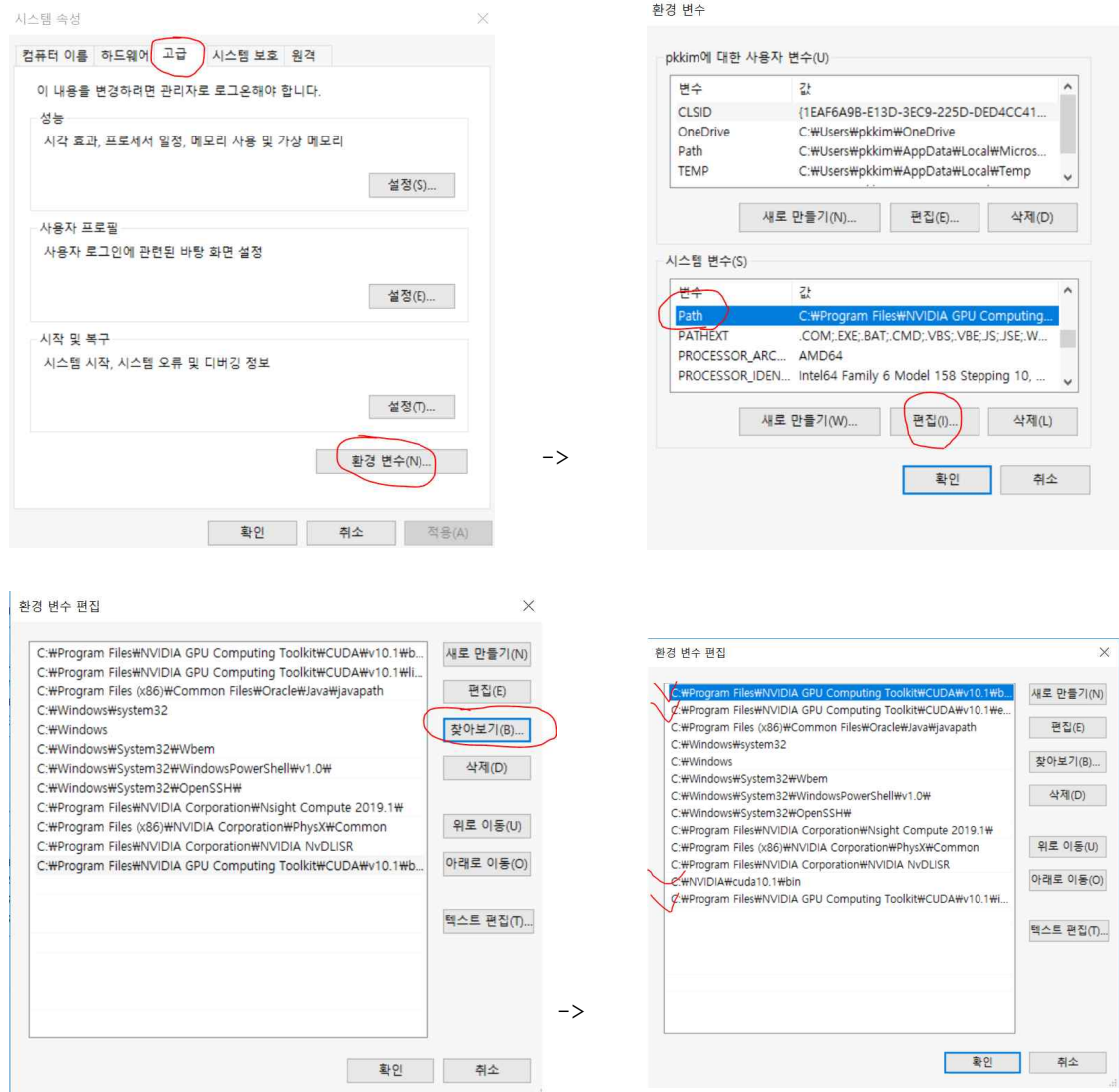
설치후 c:\NVIDIA\cuda10.1 폴더로 이동



6. 환경변수 등록

탐색기 실행 후, 내 PC-속성-고급 시스템 설정-고급 탭내 환경변수버튼 선택
같은 방법으로 아래 4개의 환경변수 PATH 에 추가 (찾아보기 버튼 이용)

C:\Program Files\NVIDIA GPU Computing Toolkit\CUDA\v10.0\bin
C:\Program Files\NVIDIA GPU Computing Toolkit\CUDA\v10.0\extras\CUPTI\libx64
C:\Program Files\NVIDIA GPU Computing Toolkit\CUDA\v10.0\include;
C:\NVIDIA\cuda10.1\bin



7. 컴퓨터 재부팅