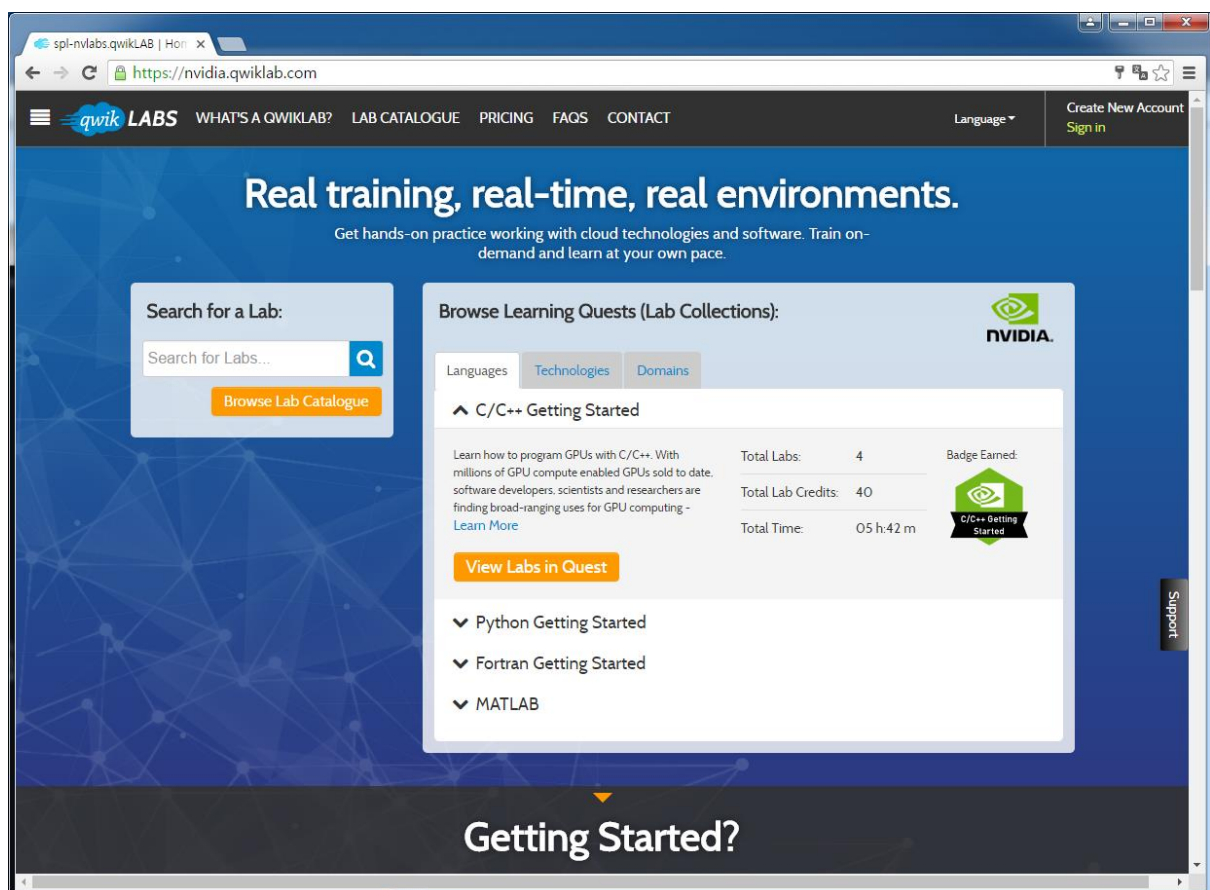


Deep Learning Institute 사전 준비 사항

(부록 : QWIKLAB 사용법 안내)

Step1. 사이트 접속

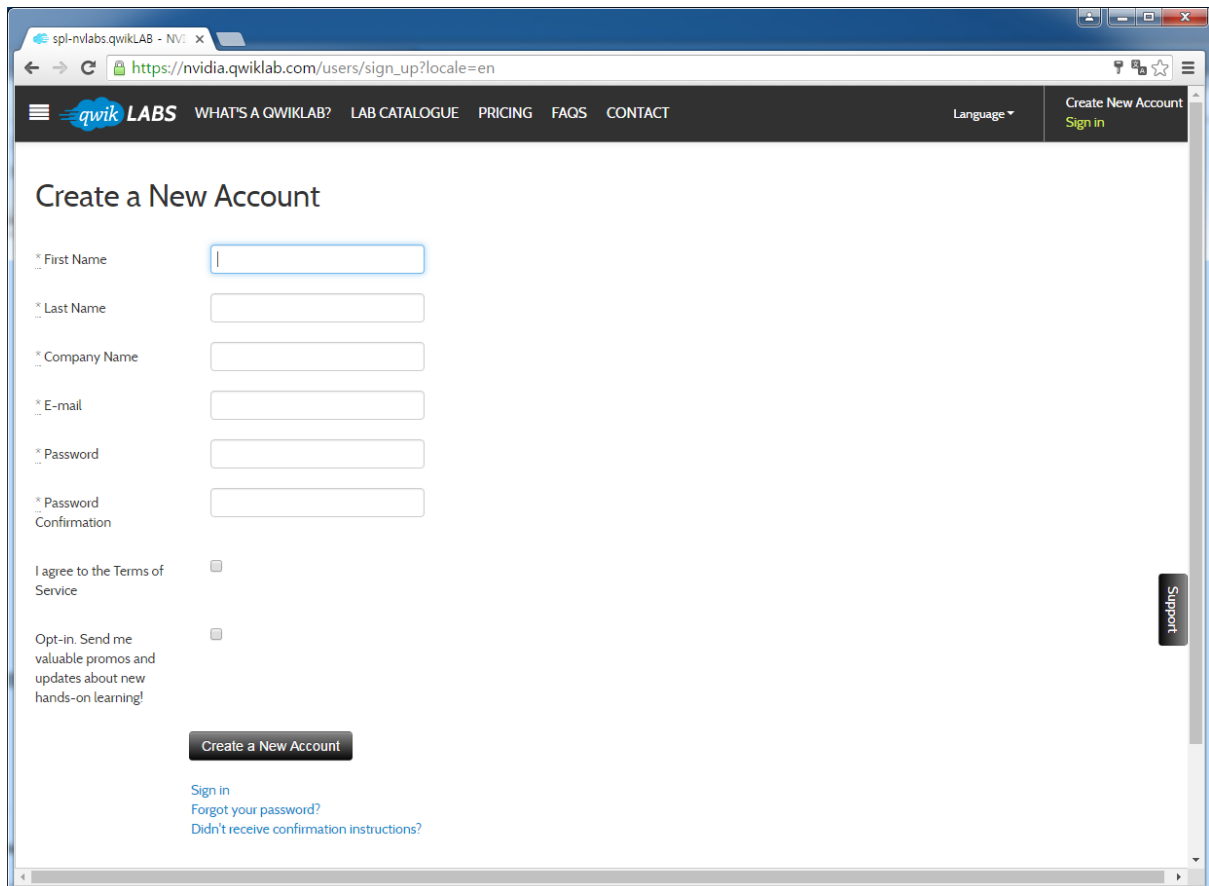
<http://nvidia.qwiklab.com>



Step2. 우상단 회원 가입(Create New Account) 버튼 클릭

입력사항: 이름(First Name), 성(Last Name), 소속 (Company Name), E-mail, Password 입력합니다.

(로그인시 사용되는 ID는 E-mail 주소임)



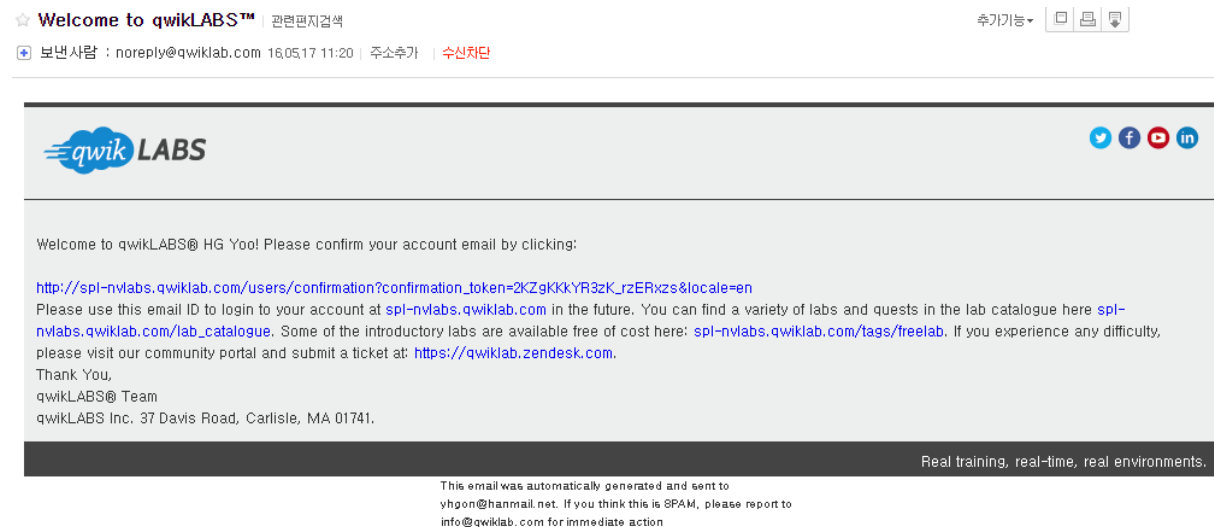
The screenshot shows a web browser window with the URL https://nvidia.qwiklab.com/users/sign_up?locale=en. The page title is "Create a New Account". The form includes the following fields and options:

- * First Name:
- * Last Name:
- * Company Name:
- * E-mail:
- * Password:
- * Password Confirmation:
- I agree to the Terms of Service: ☐
- Opt-in. Send me valuable promos and updates about new hands-on learning!: ☐

At the bottom of the form is a "Create a New Account" button. Below the button are links for "Sign in", "Forgot your password?", and "Didn't receive confirmation instructions?". The top navigation bar includes the QwikLABS logo, links for "WHAT'S A QWIKLAB?", "LAB CATALOGUE", "PRICING", "FAQS", and "CONTACT", a "Language" dropdown, and a "Create New Account" link with a "Sign in" button. A "Support" button is located on the right side of the page.

Step3. 인증메일 확인 및 계정 활성화

등록한 메일의 메일함을 열어보면 인증메일이 존재합니다. 이를 열어서 파란색 첫줄을 클릭해주면 인증확인이 됩니다.



Step 4. Qwiklab 메일 발송

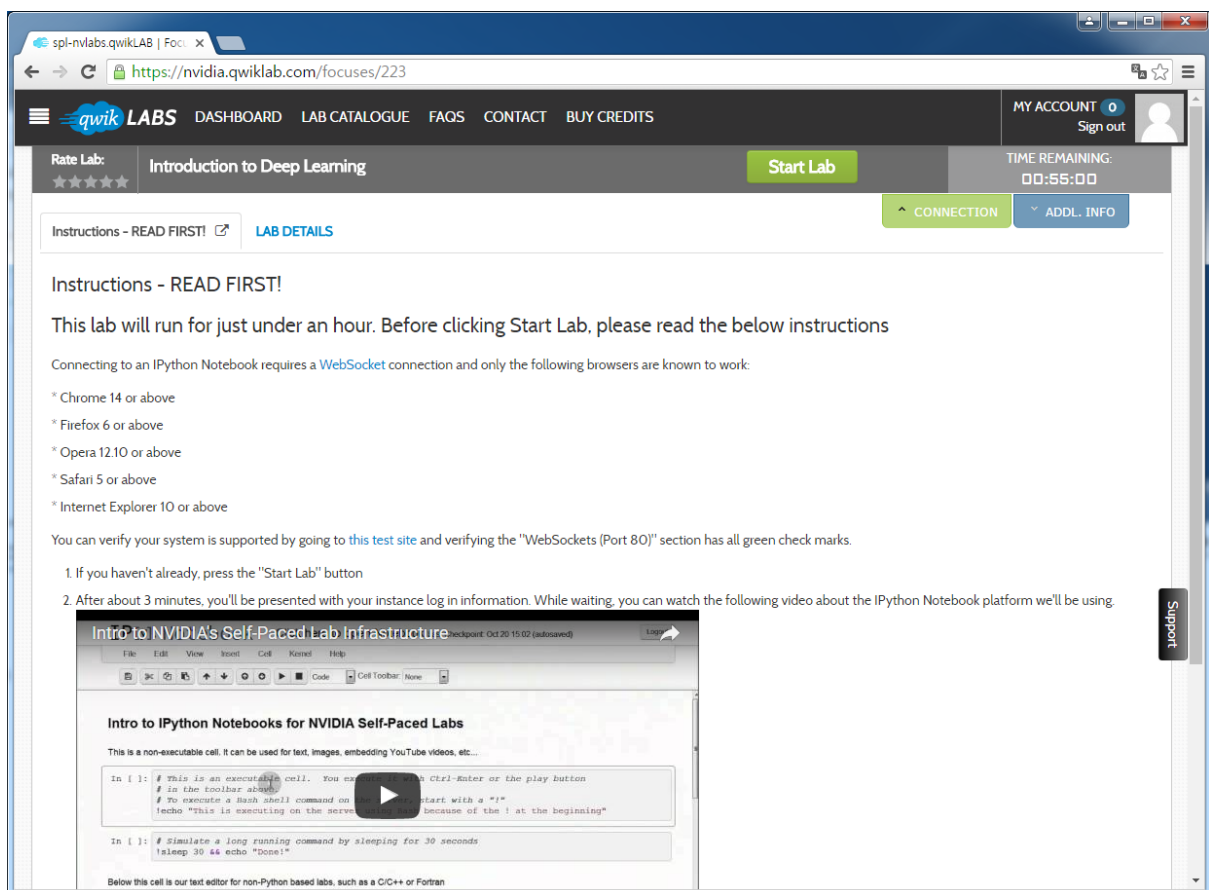
이름, 전화번호, 계정 등록시 사용한 email 을 행사 담당자에게 발송해야 합니다.

메일 주소는 다음과 같습니다 (nvidia@readydo.co.kr)

(부록 : QWIKLAB 사용법 안내)

로그인 후 세션 실행

Introduction to Accelerated Computing 세션을 선택한 후 Start Lab 버튼을 클릭하여 서버를 켭니다. 아마존 서버를 켜는데 약 4분 정도의 시간이 소요됩니다.



아마존 서버 켜는 중..

Start 버튼을 누르고 약 4분 정도 소요됨.

서버가 켜지는 동안 **Instruction**을 읽어 볼 것을 권장합니다. **IPython Notebook**의 원활한 접속을 위해 최신 브라우저와 원활한 네트워크 접속 환경이 필요합니다.

The screenshot shows the QwikLABS website interface. The browser address bar displays <https://nvidia.qwiklab.com/focuses/37>. The website header includes the QwikLABS logo and navigation links: DASHBOARD, LAB CATALOGUE, FAQs, CONTACT, and BUY CREDITS. A user account section on the right shows 'MY ACCOUNT' and a 'Sign out' button.

The main content area features the lab title 'Introduction to Accelerated Computing' with a 'Rate Lab' section showing five stars. A status indicator shows '**Launching**' with a progress bar. A timer indicates 'TIME REMAINING: 00:55:00'. Below this, there are tabs for 'Instructions - READ FIRST!' and 'LAB DETAILS'. The 'LAB DETAILS' tab is active, displaying the following information:

Setup Time (min.)	4
Duration (min.)	45
Access (min.)	55

Tags: self-paced, C, C++, CUDA, OpenACC, Python, free
Levels: Introductory

Lab Description:
Learn about the three techniques for accelerating code on a GPU; Libraries, Directives like OpenACC, and writing code directly in CUDA-enabled languages. In 45 minutes, you will work through a few different exercises demonstrating the potential speed-ups and ease of use of porting to the GPU.

Date Created: April 14, 2016 09:40 AM
AWS Region: [us-east-1] US East (N. Virginia)

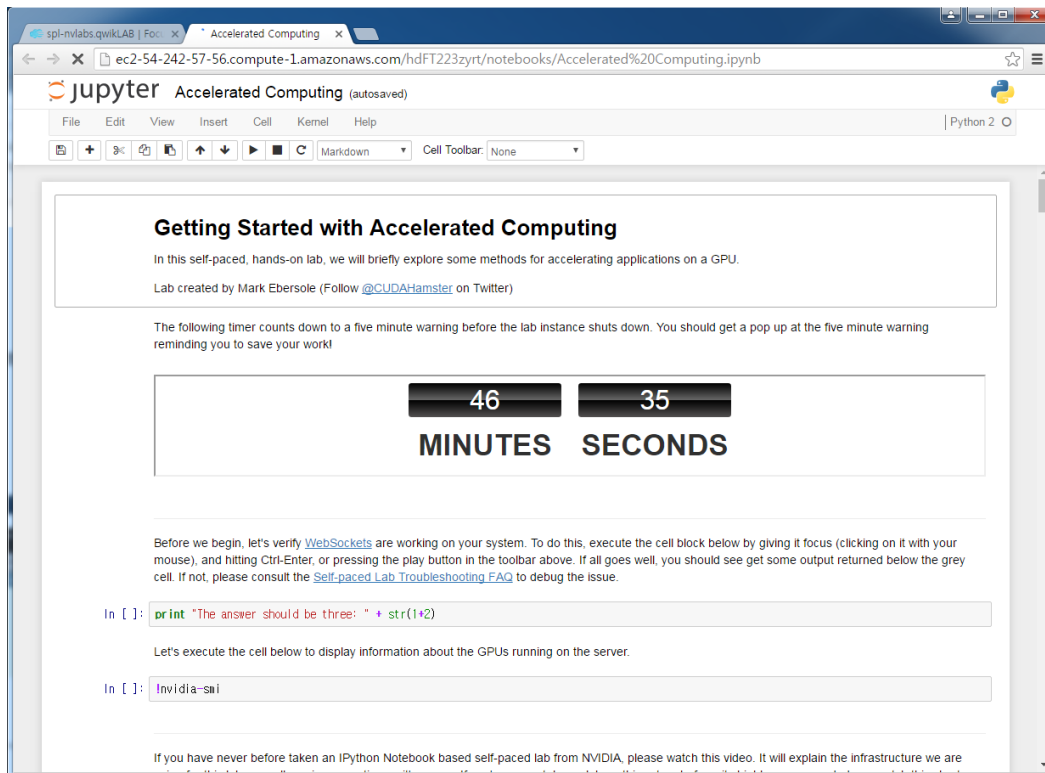
The footer contains links for About, Blog, Partner Solutions, Privacy Policy, and Terms Of Service, as well as links for Dashboard, Lab Catalogue, FAQs, Contact, and Buy Credits. Social media icons for Twitter, Facebook, YouTube, and LinkedIn are also present. A copyright notice reads: © qwikLABS® '12-'16; a computer lab for everyone v.toscana(0512-0).

아마존 서버 작동

Click Here 버튼을 클릭하여 Lab을 시작합니다.

The screenshot shows the NVIDIA QwikLAB web interface. The browser address bar displays <https://nvidia.qwiklab.com/focius/37>. The top navigation bar includes links for DASHBOARD, LAB CATALOGUE, FAQs, CONTACT, and BUY CREDITS, along with a MY ACCOUNT section with a Sign out button. The main content area is titled 'Introduction to Accelerated Computing' and features a 'Rate Lab' section with five stars. A 'Lab Connection' section contains a warning: 'Warning: Please do not transmit any data into the AWS resources used in this lab that are not related to qwikLABS® or the hands-on lab you are taking.' The 'Connection' section shows a password field with the text 'hdFT223zyzt' and a 'Click here to launch your lab.' link. A 'TIME REMAINING: 00:55:00' timer is visible. Below the connection section, there are instructions for system requirements (Opera 12.10 or above, Safari 5 or above, Internet Explorer 10 or above) and a verification step. A list of steps follows: 1. If you haven't already, press the "Start Lab" button. 2. After about 4 minutes, you'll be presented with your instance login information. While waiting, you can watch this video about the IPython Notebook platform we'll be using. When it's ready, you can access the instance by doing the following: a. Copy the Password to your clipboard. b. Click on the provided link to open up the lab dashboard. c. When prompted, paste the given Password from your clipboard and click the Login button. 3. Once logged into the instance, select the "GPU Computing - Click to Open" link to open the Notebook. 4. Follow the in-lab instructions and enjoy! The footer contains links for About, Blog, Partner Solutions, Privacy Policy, Terms Of Service, Dashboard, Lab Catalogue, FAQs, Contact, and Buy Credits. Social media icons for Twitter, Facebook, and LinkedIn are also present, along with the copyright notice: © qwikLABS® '12-'16; a computer lab for everyone v.toscana(0512-0).

랩을 시작하면 Ipython 노트북이 실행됩니다.



Python 입력 Cell에 마우스 클릭 후 실행버튼을 클릭하면 서버 측 결과를 확인할 수 있다.

특히, nvidia-smi 명령을 통해 아마존 서버에 nvidia GPU GRID K520이 장착된 것을 확인할 수 있습니다.

