

Introduction to Unity3D

게임 엔진 소개 및 설치

목차

1. Game
2. Unity3D
 - Game Engine
 - Installation
3. Unity Sample Projects
 - Karting Microgame
 - Tank Tutorial



Game

- Game vs. Films

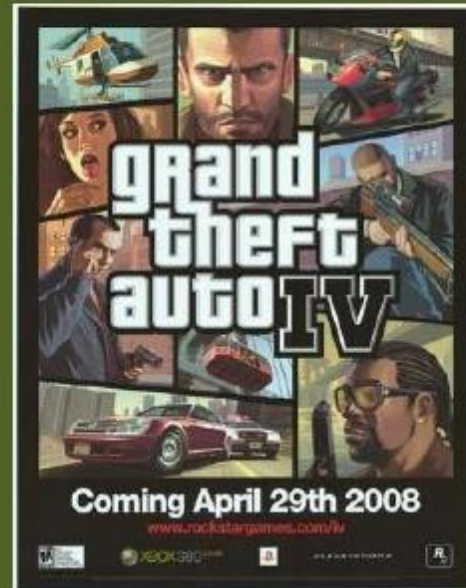


Games VS Movies *(in terms of sales)*



\$239 million
First Week Revenue

Vs



\$500 million
First Week Revenue

Source : Video Game Industry Trends by Ferrara

- 게임, Game ?

- 흥겹게 뛰놀다 (Ghem)
- 어떤 목적을 달성하기 위해 합의된 절차와 규칙에 따라 경쟁하는 자발적이고 의도적인 활동
- $Game \ni \{\text{질서, 규칙, 경쟁, 운}\}$



- Gamification

- 게임화



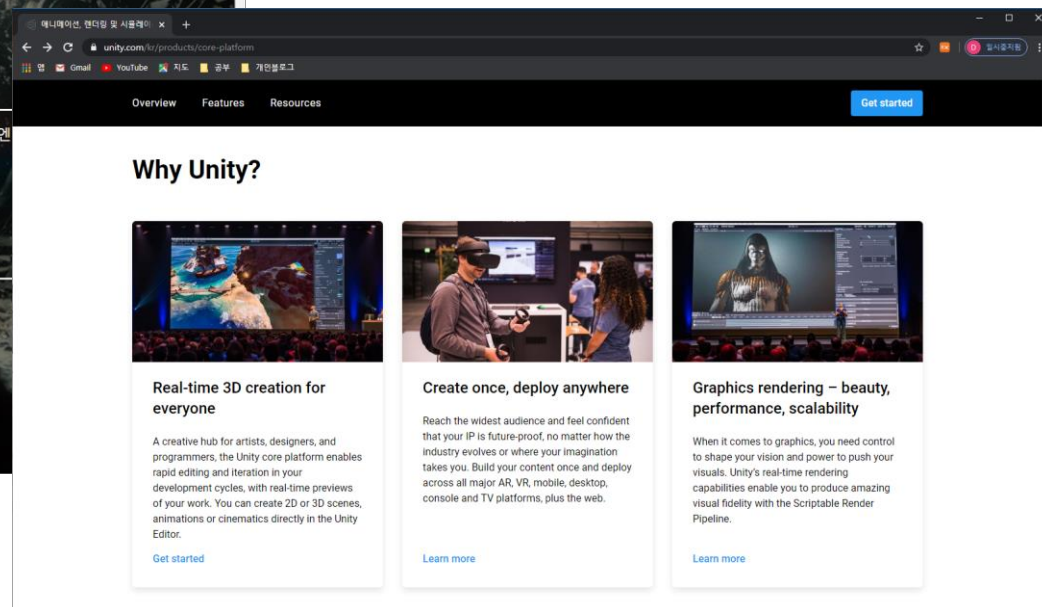
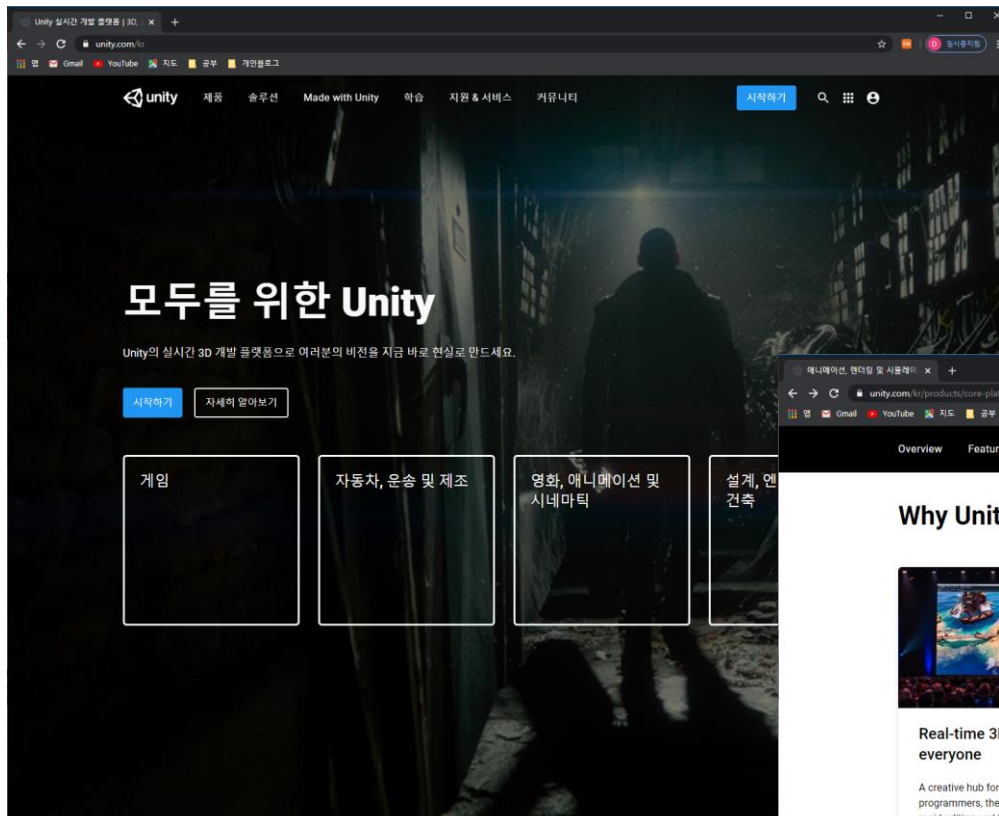
- 게임 산업
- 게임시장 규모

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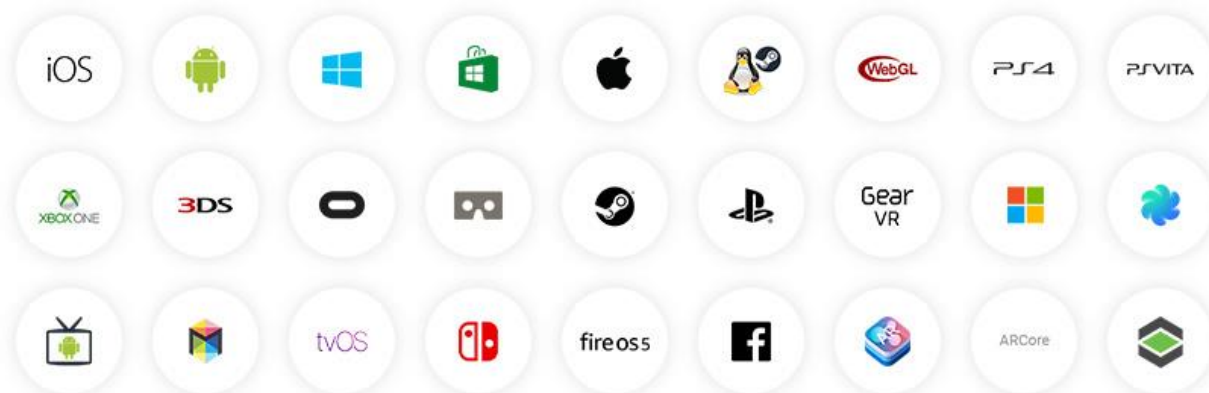
Unity3D

- Unity3D

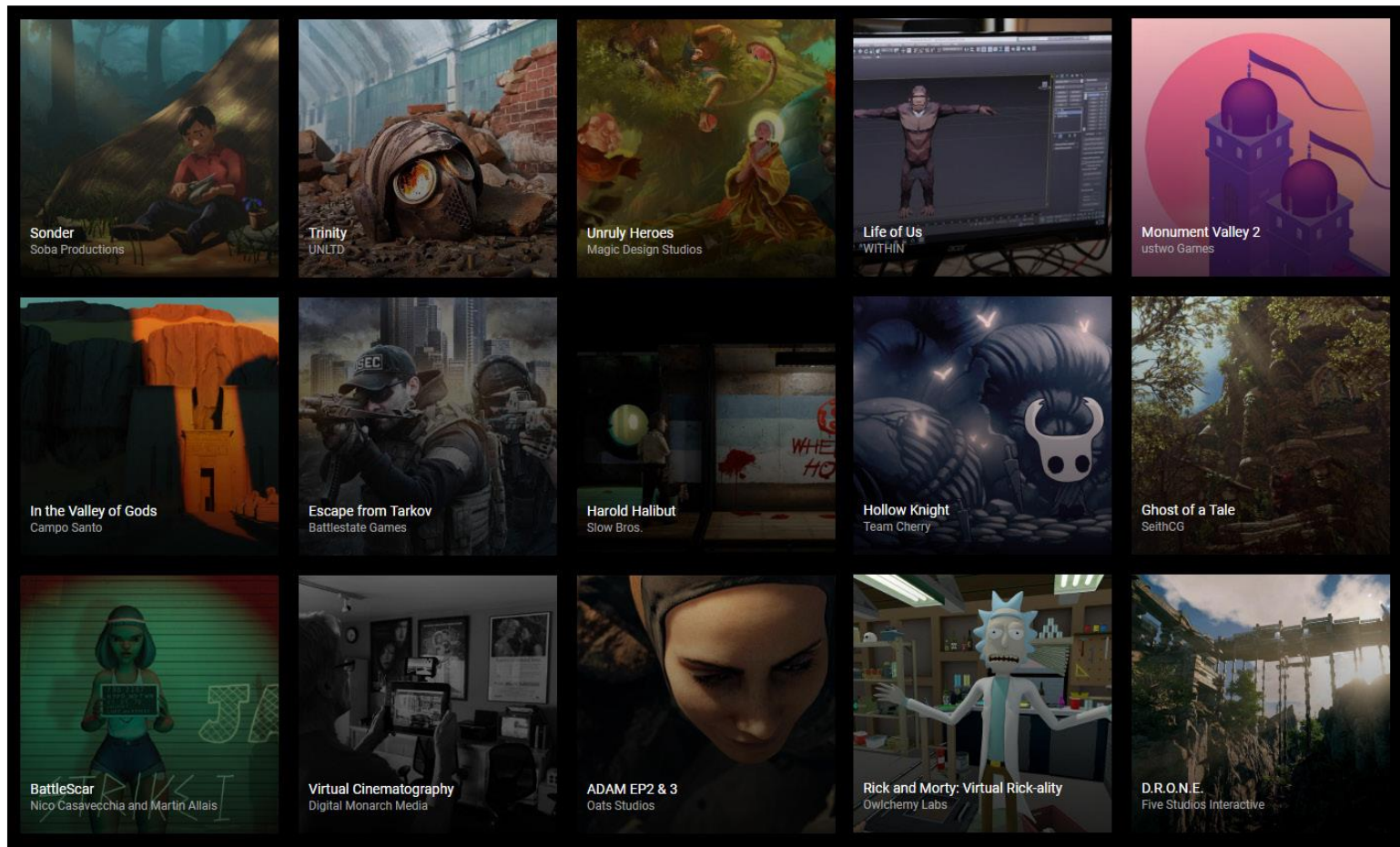


• Unity3D

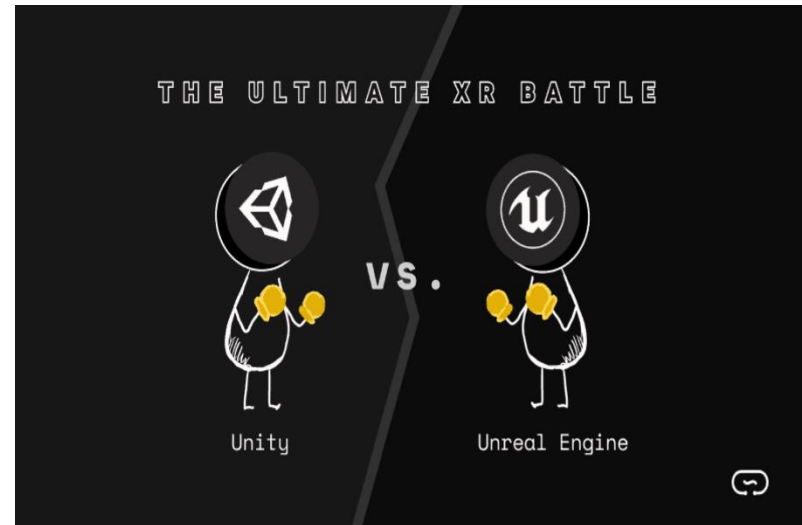
- 멀티플랫폼용 게임 개발이 가능한 2D/3D 게임 엔진
- Unity社에서 개발 (www.unity3d.com)
- 최고의 라이선스 정책을 제공 (무료)
- 멀티 플랫폼(Multi-Platform) 지원, 통합 개발 환경(IDE) 제공
- 에셋스토어(Asset Store), 오픈 커뮤니티(Open Community) 지원
- 게임 외에도 다양한 분야에서 활용되는 개발 플랫폼
- 객체지향 설계를 기본으로 탑재 : 높은 개발 효율성



- Unity로 만든 게임들

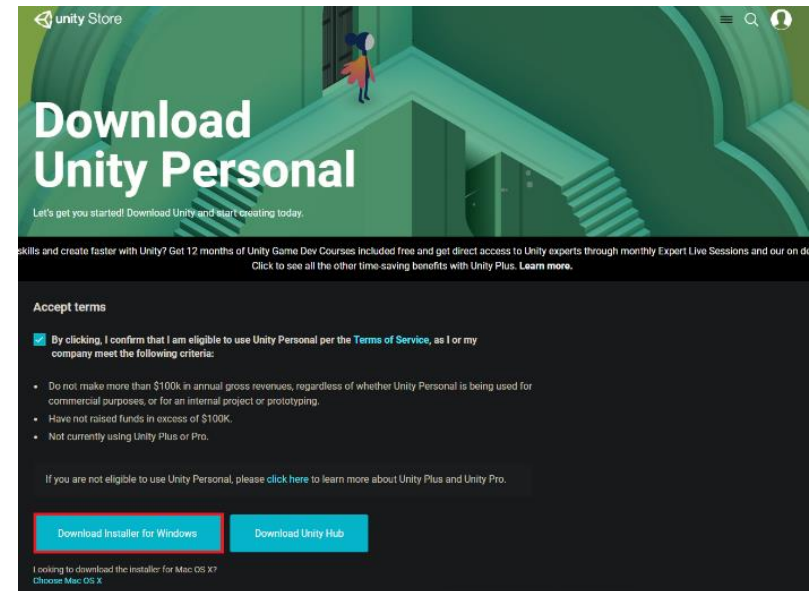


- Unity vs. Unreal

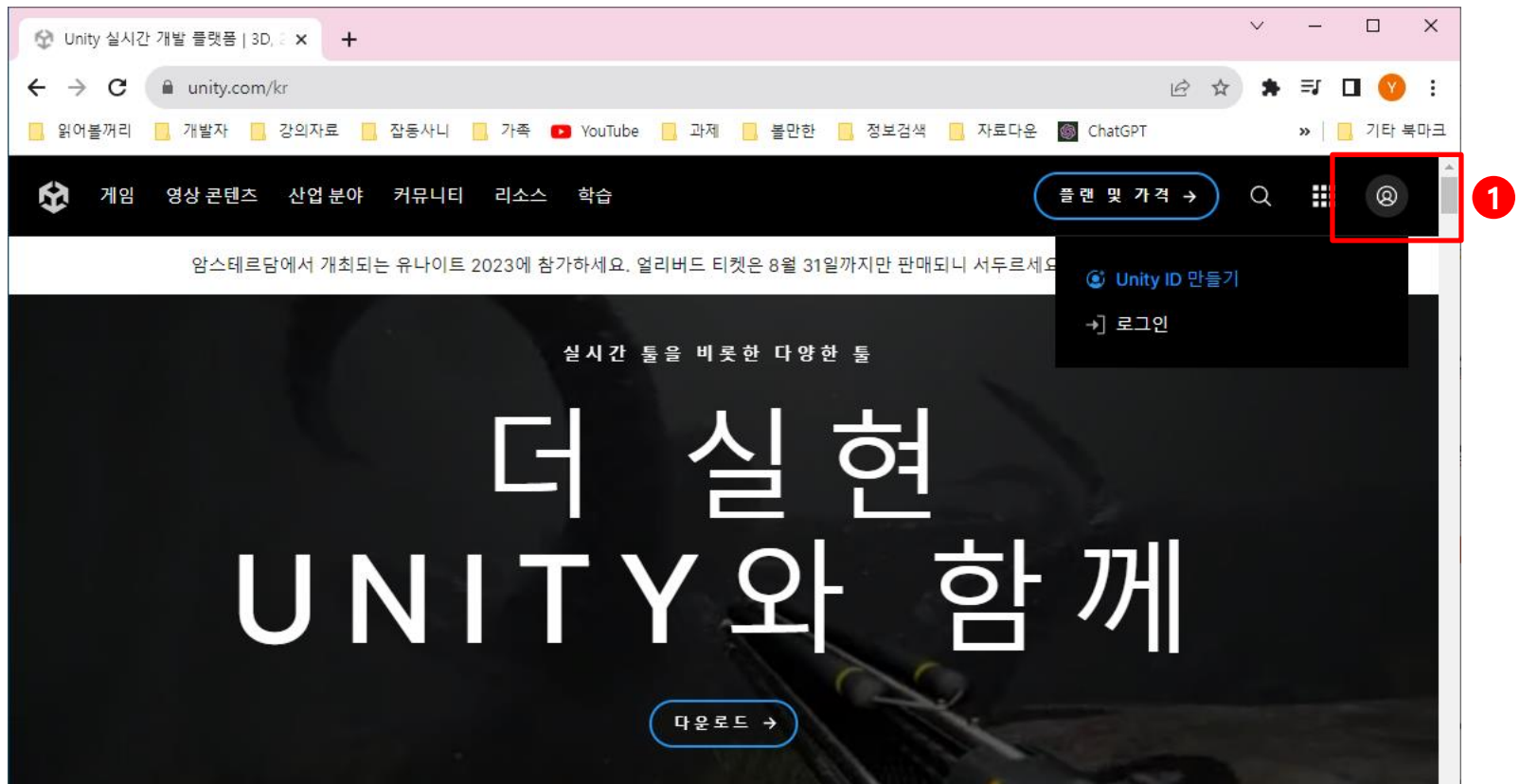


Unity vs Unreal Engine

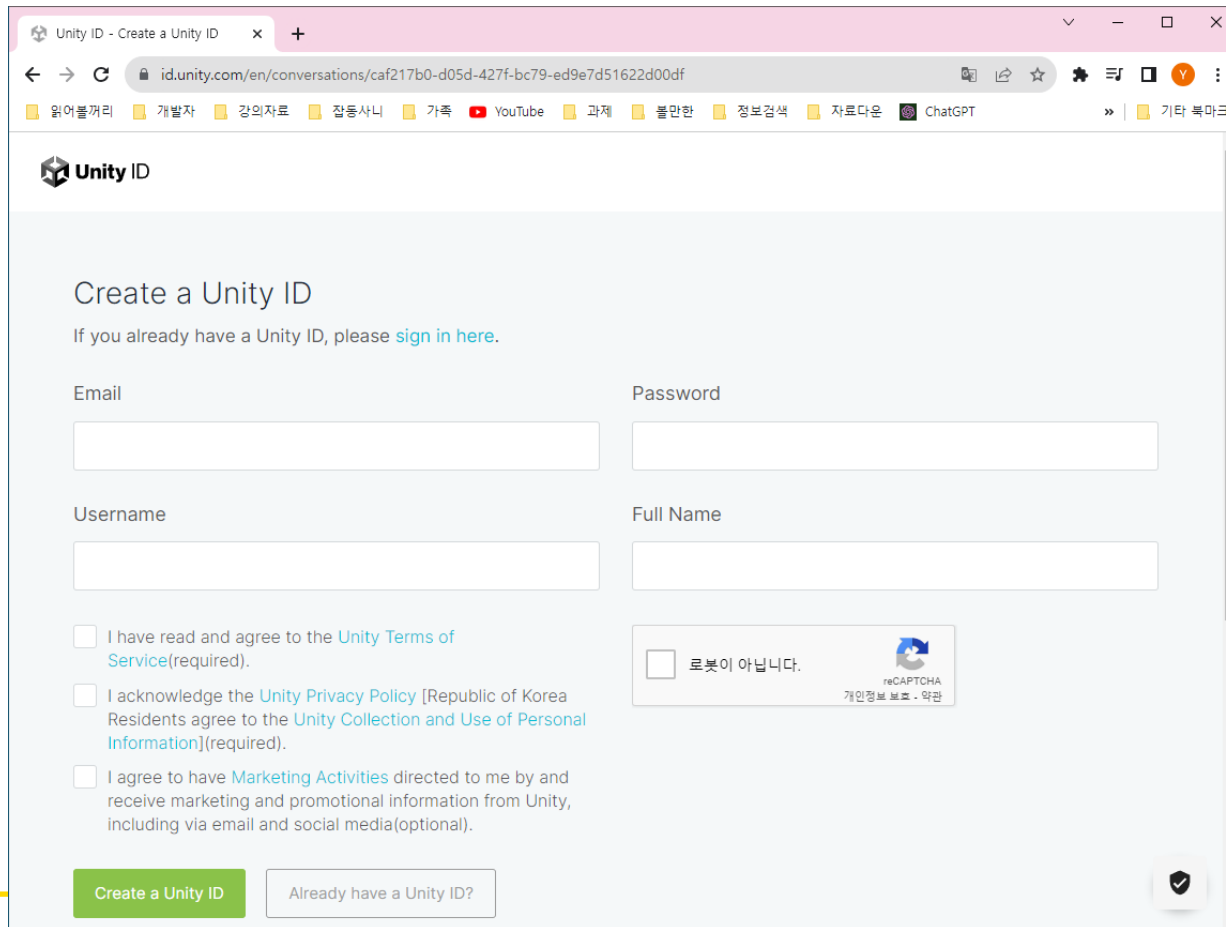
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- Unity 회원가입
 - www.unity.com/kr/



- Personal Edition에서 License 추가할 때
- Asset Store에서 구매할 때



The screenshot shows a web browser window with the URL `id.unity.com/en/conversations/caf217b0-d05d-427f-bc79-ed9e7d51622d00df`. The page is titled "Create a Unity ID" and includes a link to sign in if the user already has an account. The form contains four input fields: Email, Password, Username, and Full Name. Below these fields are three checkboxes for terms and conditions, and a reCAPTCHA verification box. At the bottom, there are two buttons: "Create a Unity ID" (green) and "Already have a Unity ID?" (white with a grey border).

Unity ID

Create a Unity ID

If you already have a Unity ID, please [sign in here](#).

Email

Password


Username

Full Name

☐ I have read and agree to the [Unity Terms of Service](#)(required).

☐ I acknowledge the [Unity Privacy Policy](#) [Republic of Korea Residents agree to the [Unity Collection and Use of Personal Information](#)](required).

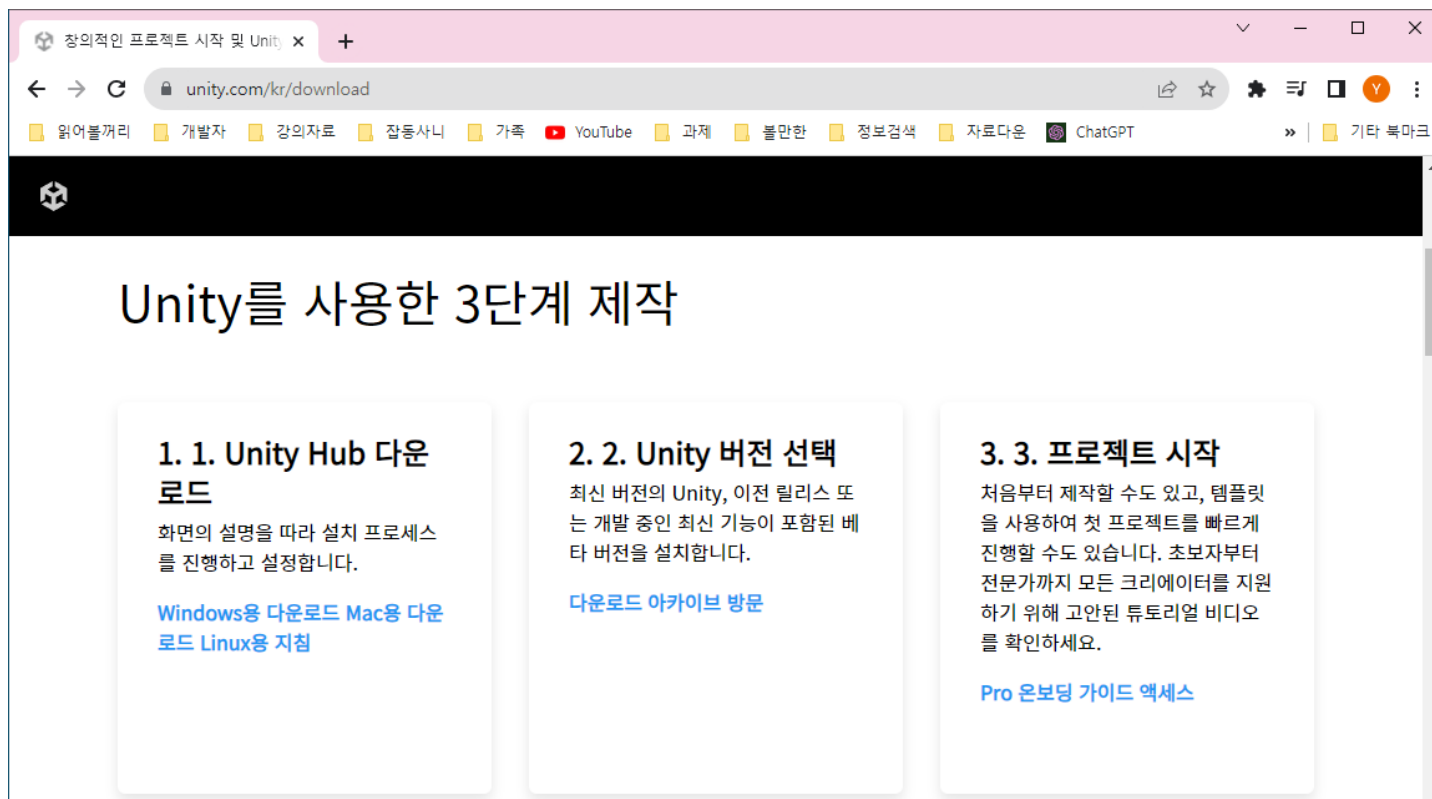
☐ I agree to have [Marketing Activities](#) directed to me by and receive marketing and promotional information from Unity, including via email and social media(optional).

☐ 로봇이 아닙니다.  reCAPTCHA
개인정보 보호 · 약관

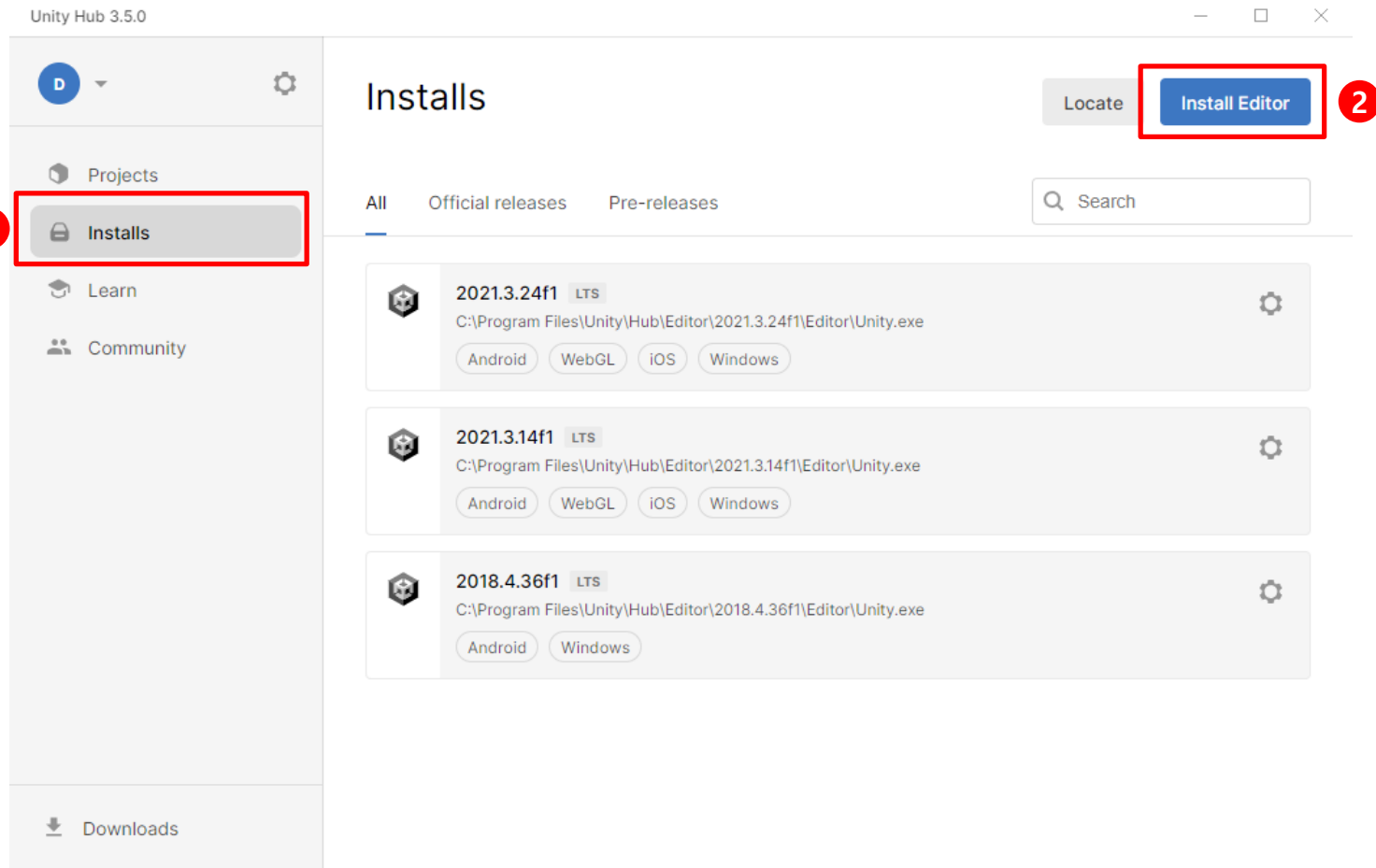
[Create a Unity ID](#) [Already have a Unity ID?](#)

- UnityHub 다운로드 및 설치 (#1)

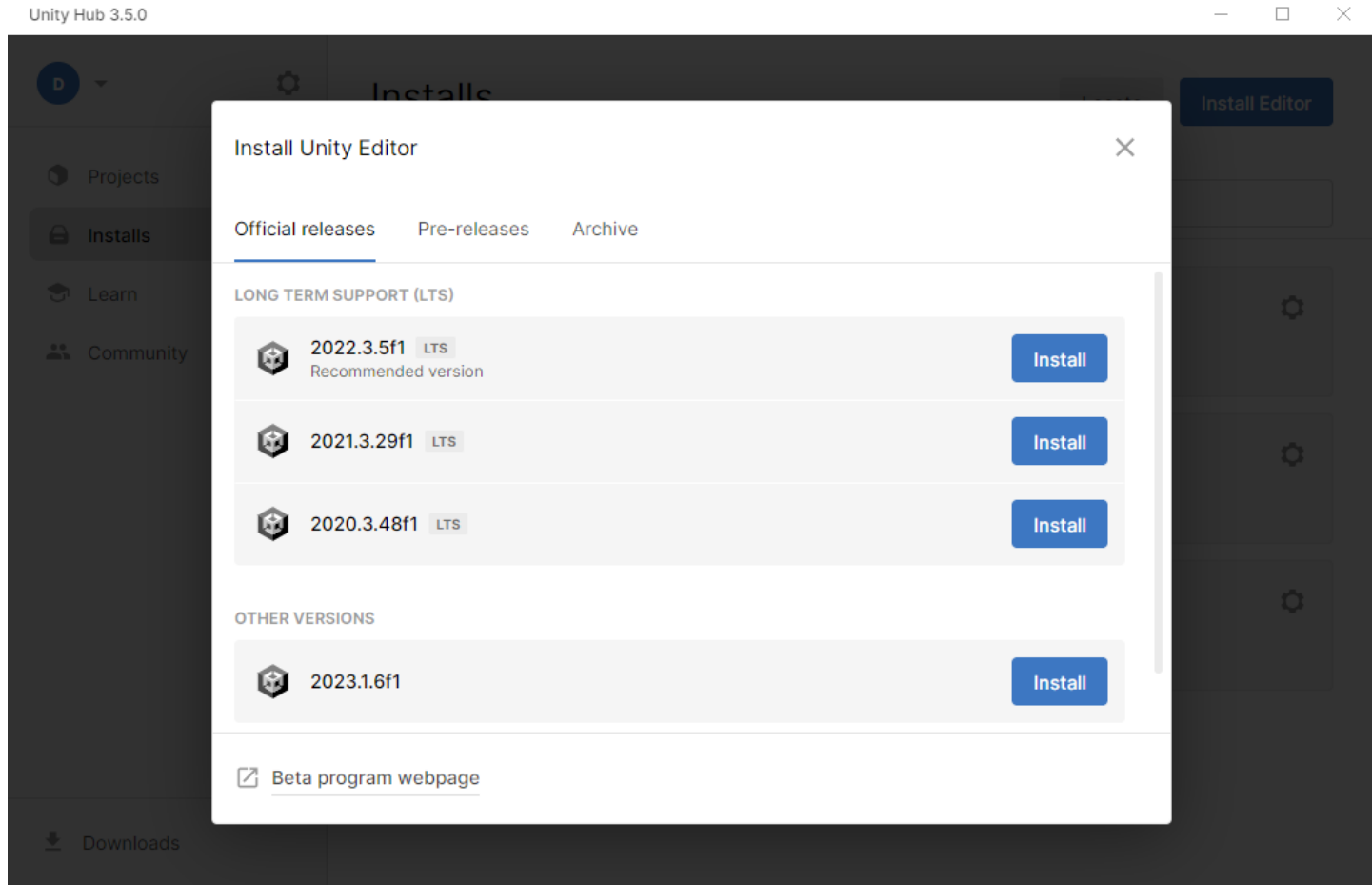
- www.unity.com/kr/



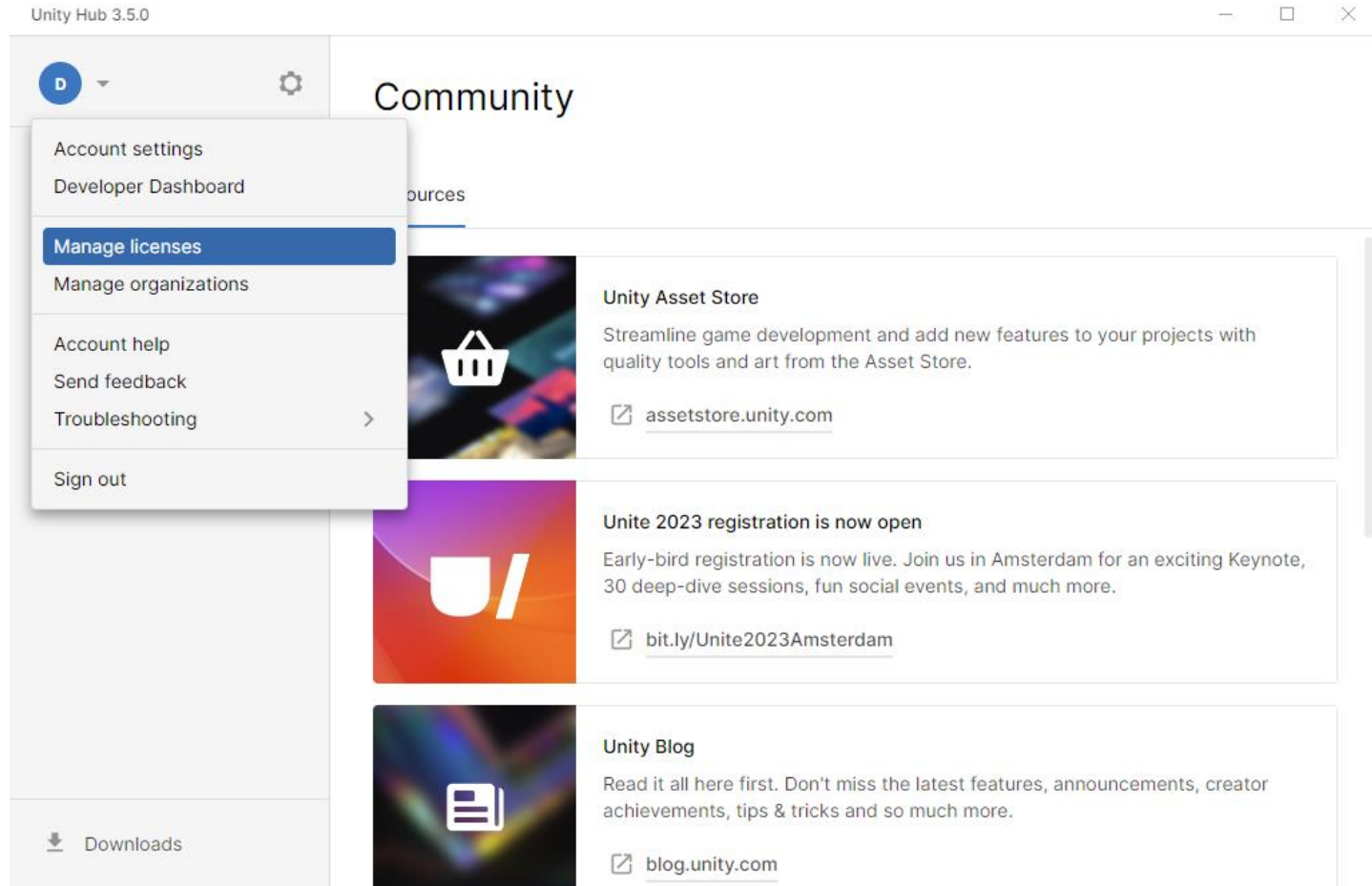
- 유니티허브(UnityHub)



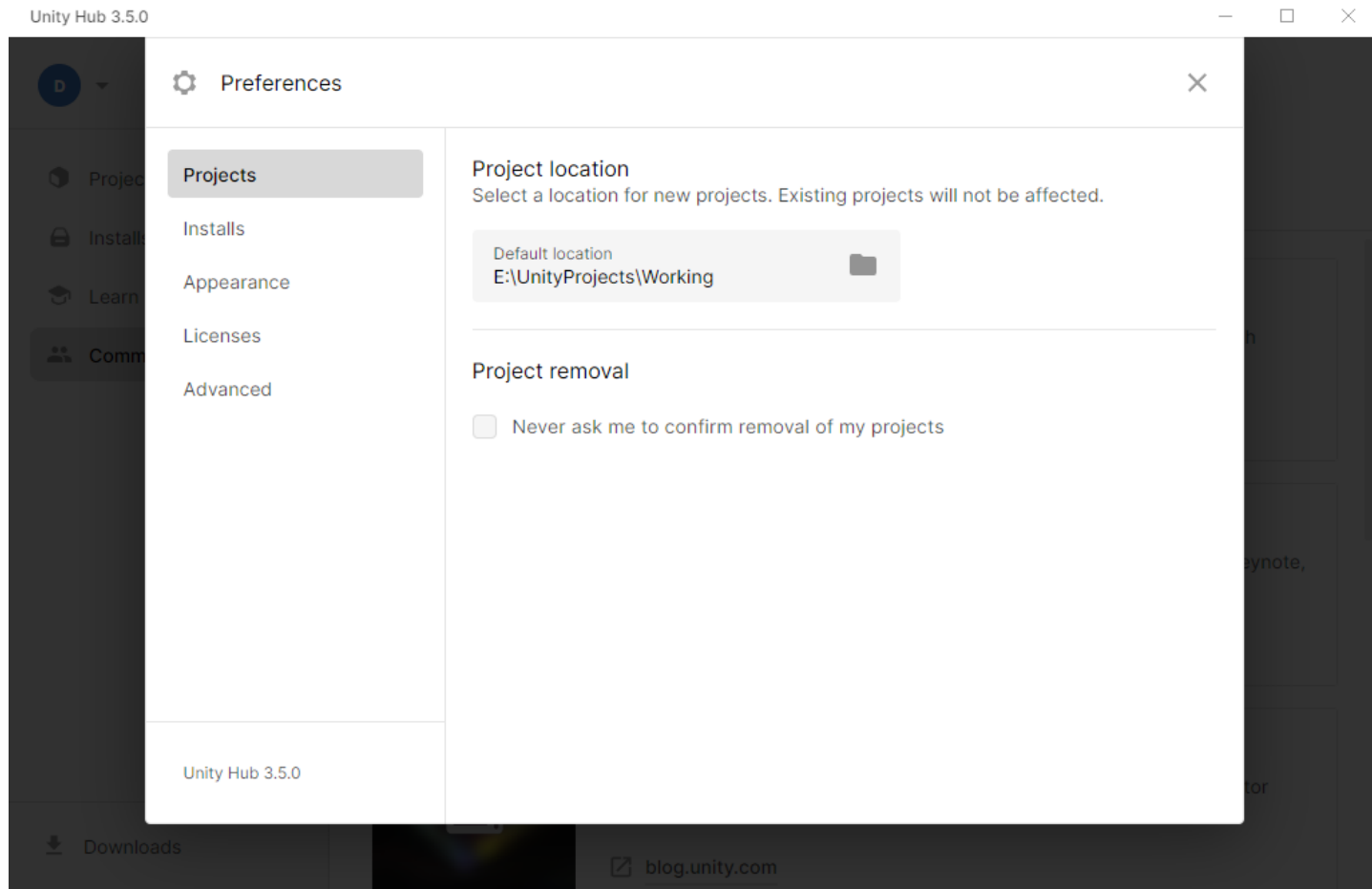
- 유니티허브(UnityHub)



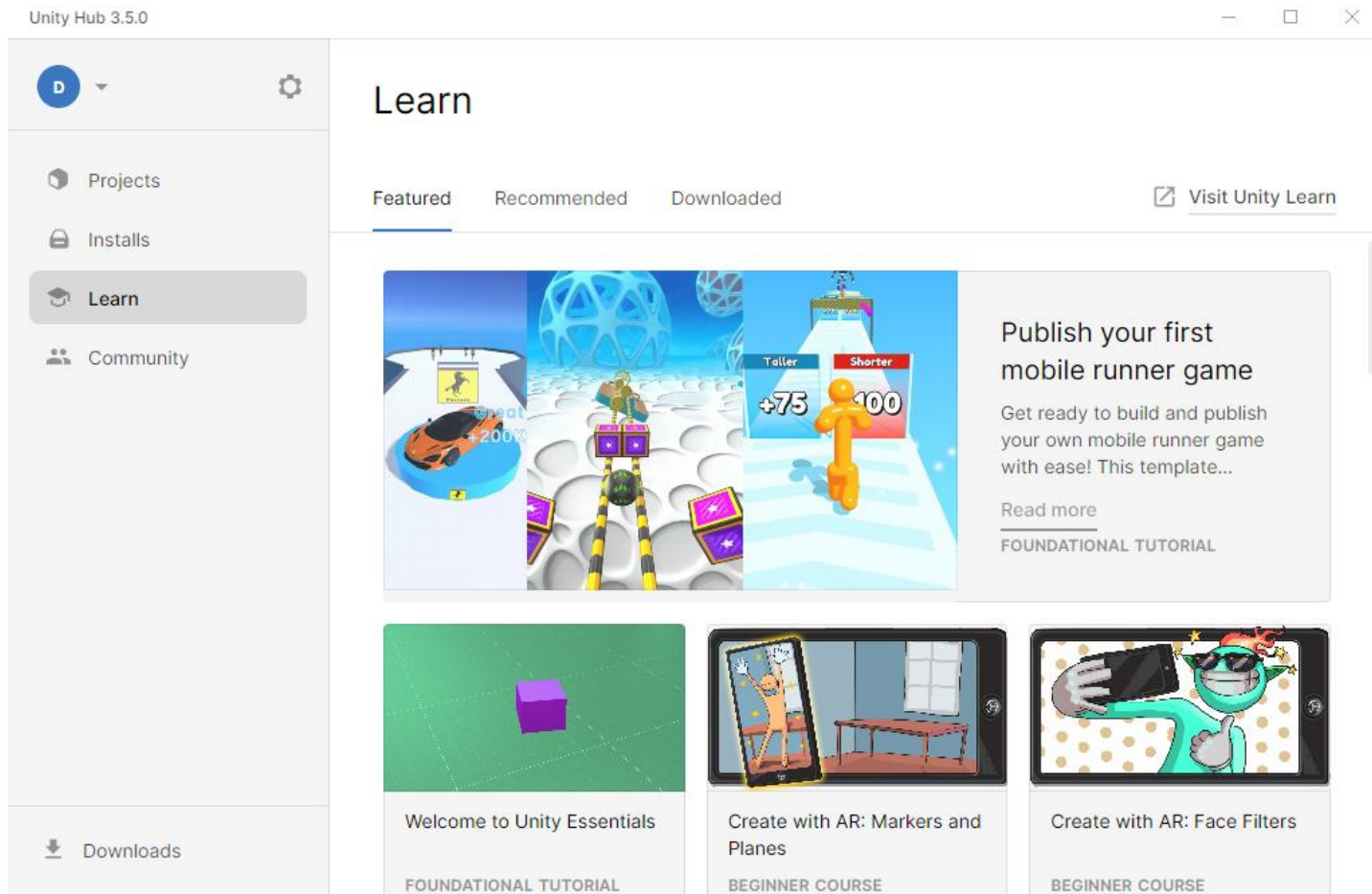
– 유니티허브(UnityHub) – Account, License



– 유니티허브(UnityHub) – Preference



– 유니티허브(UnityHub) – Learn



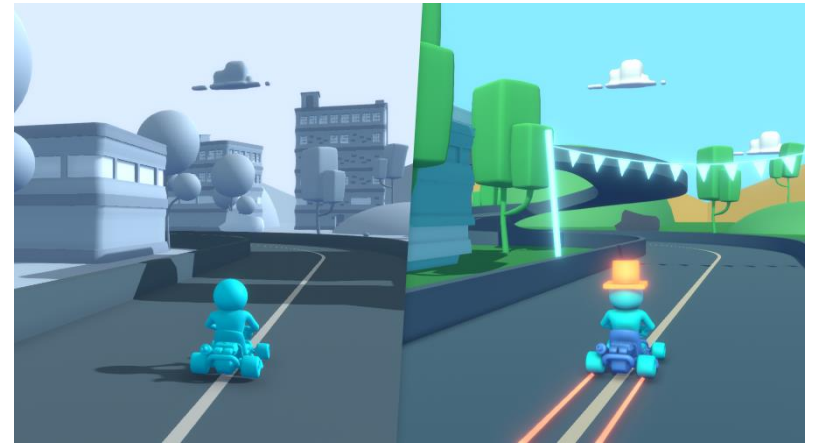
1. Game

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- Installation

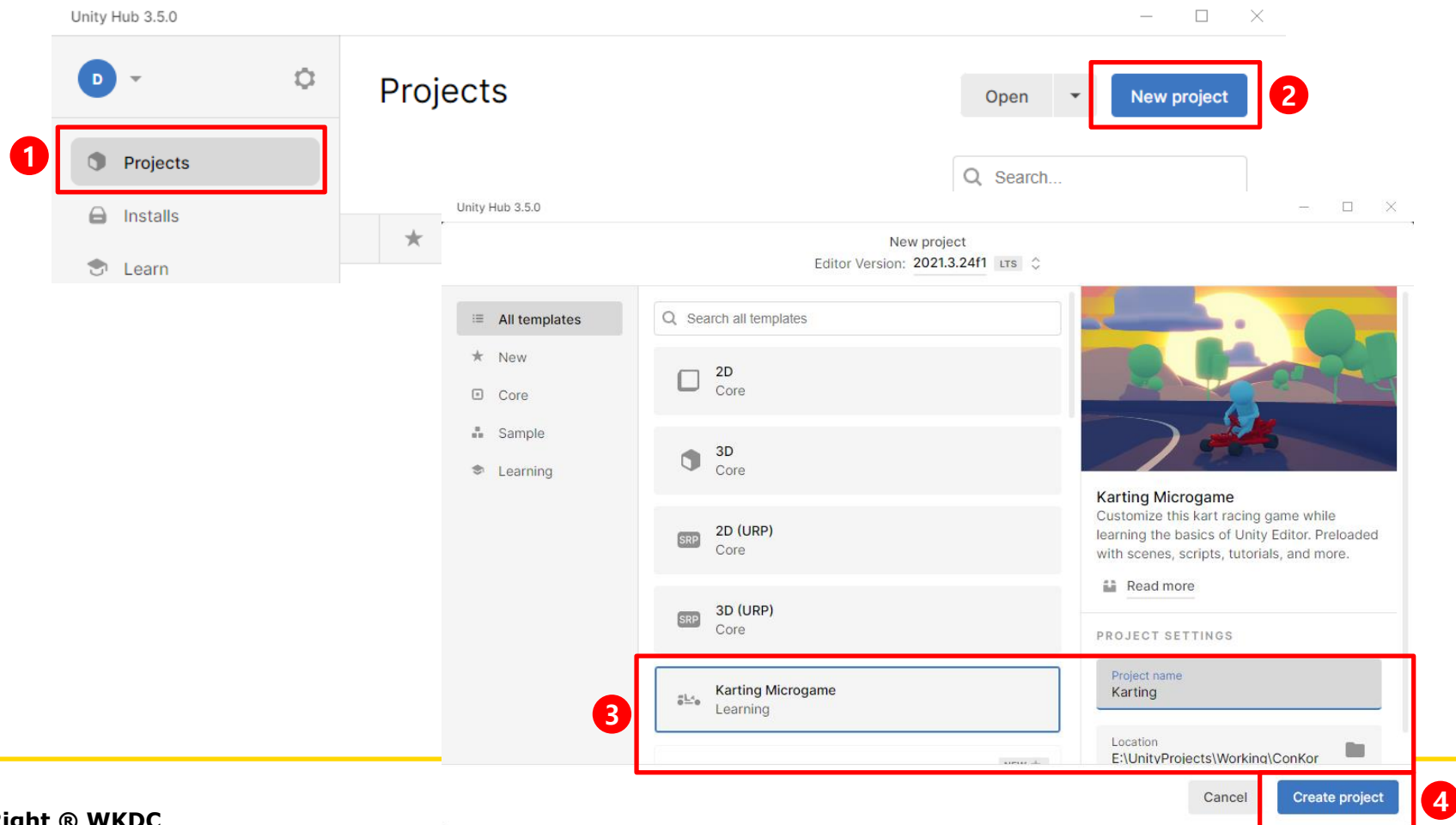
3. Unity Sample Projects

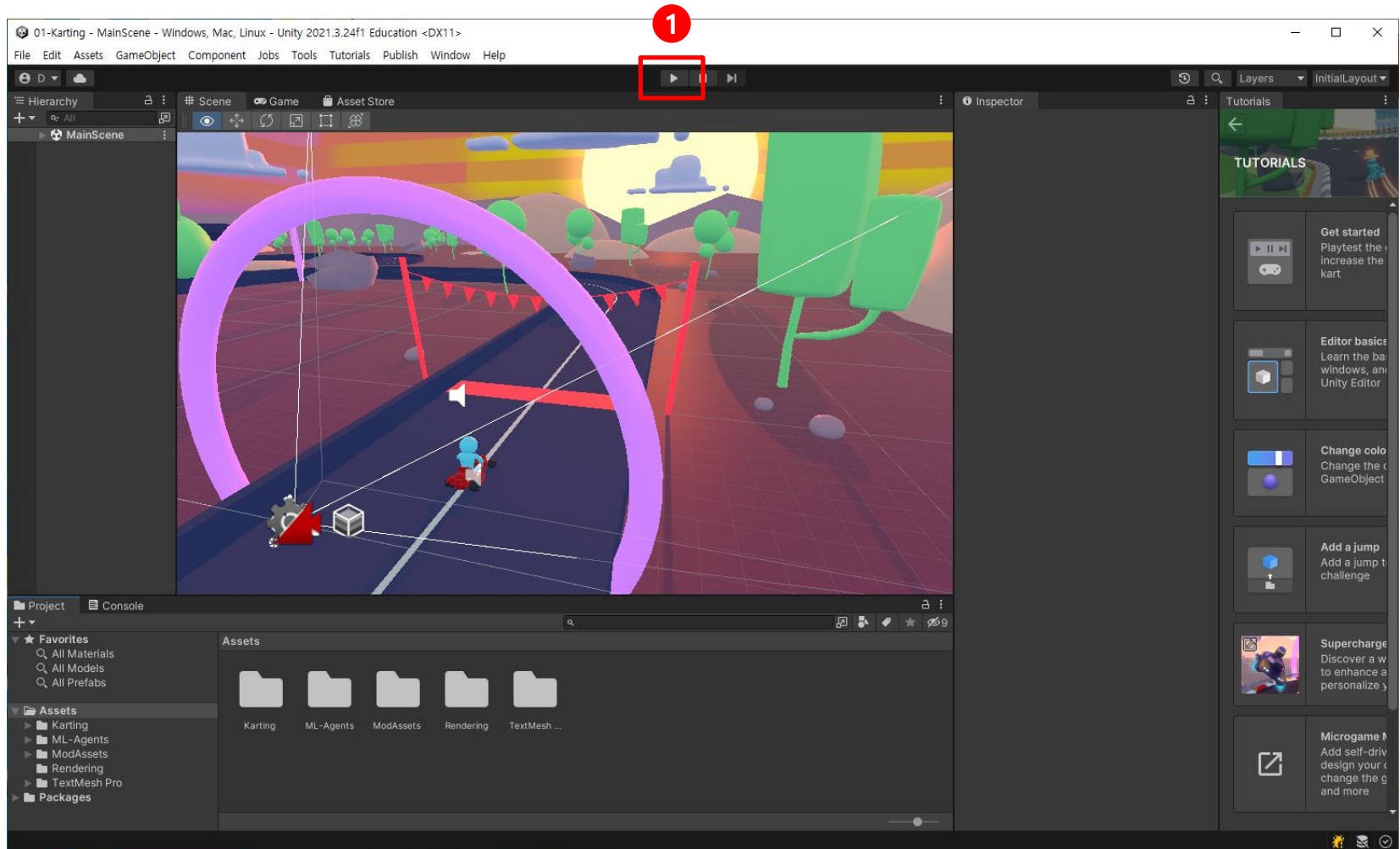
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• Sample Projects – Karting Microgame

– 실행 방법

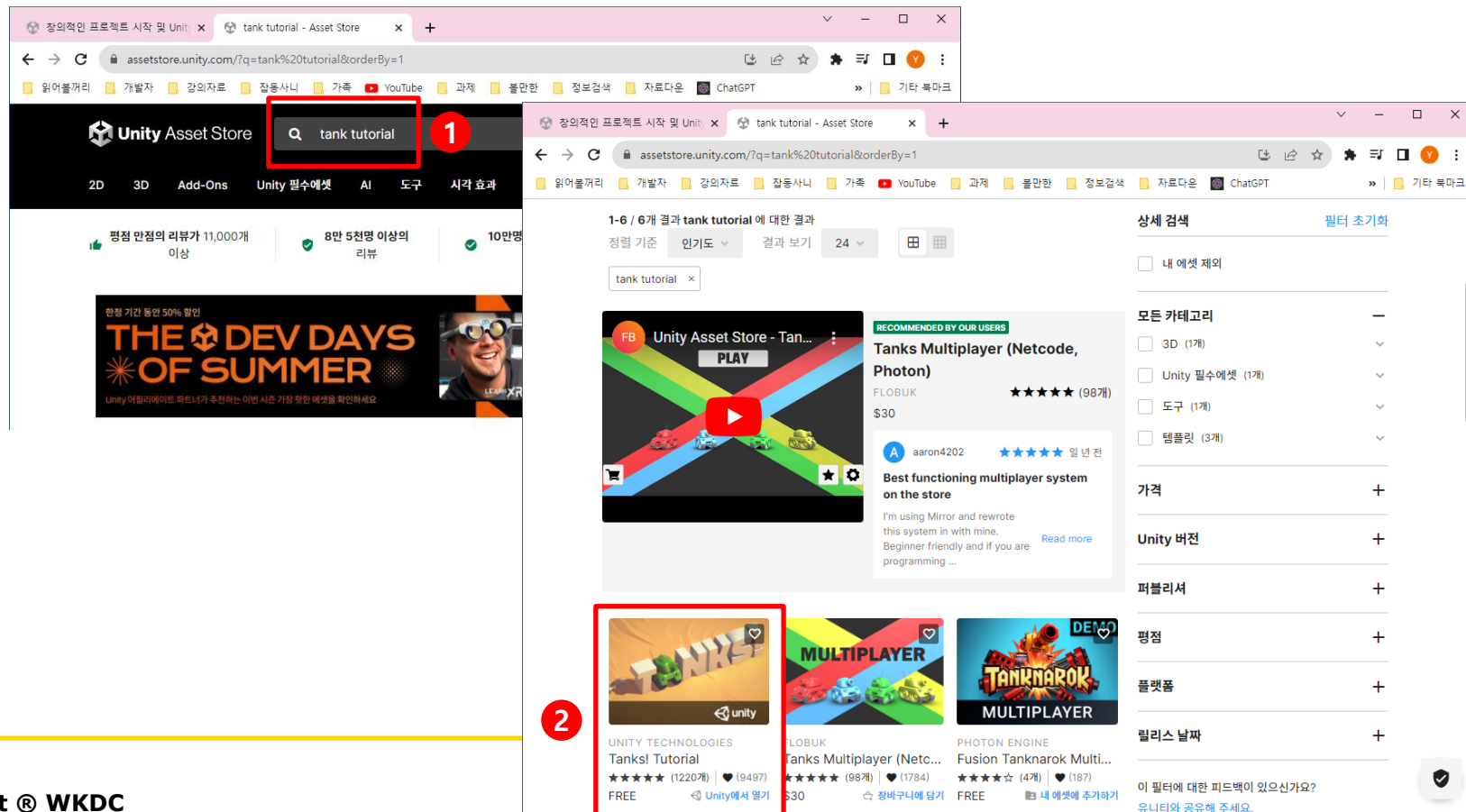




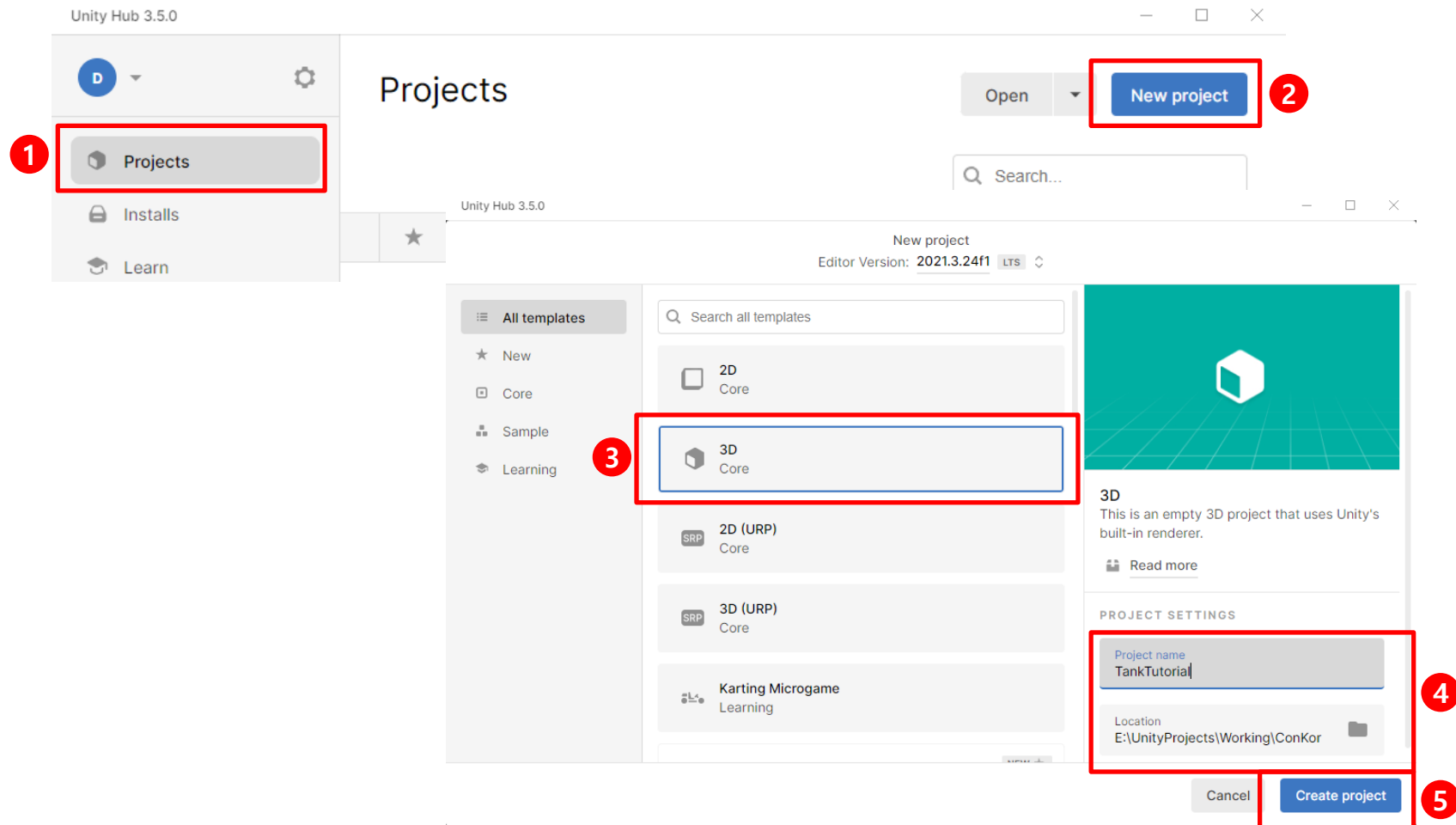
• Sample Projects – Tank Tutorial

– 실행 방법

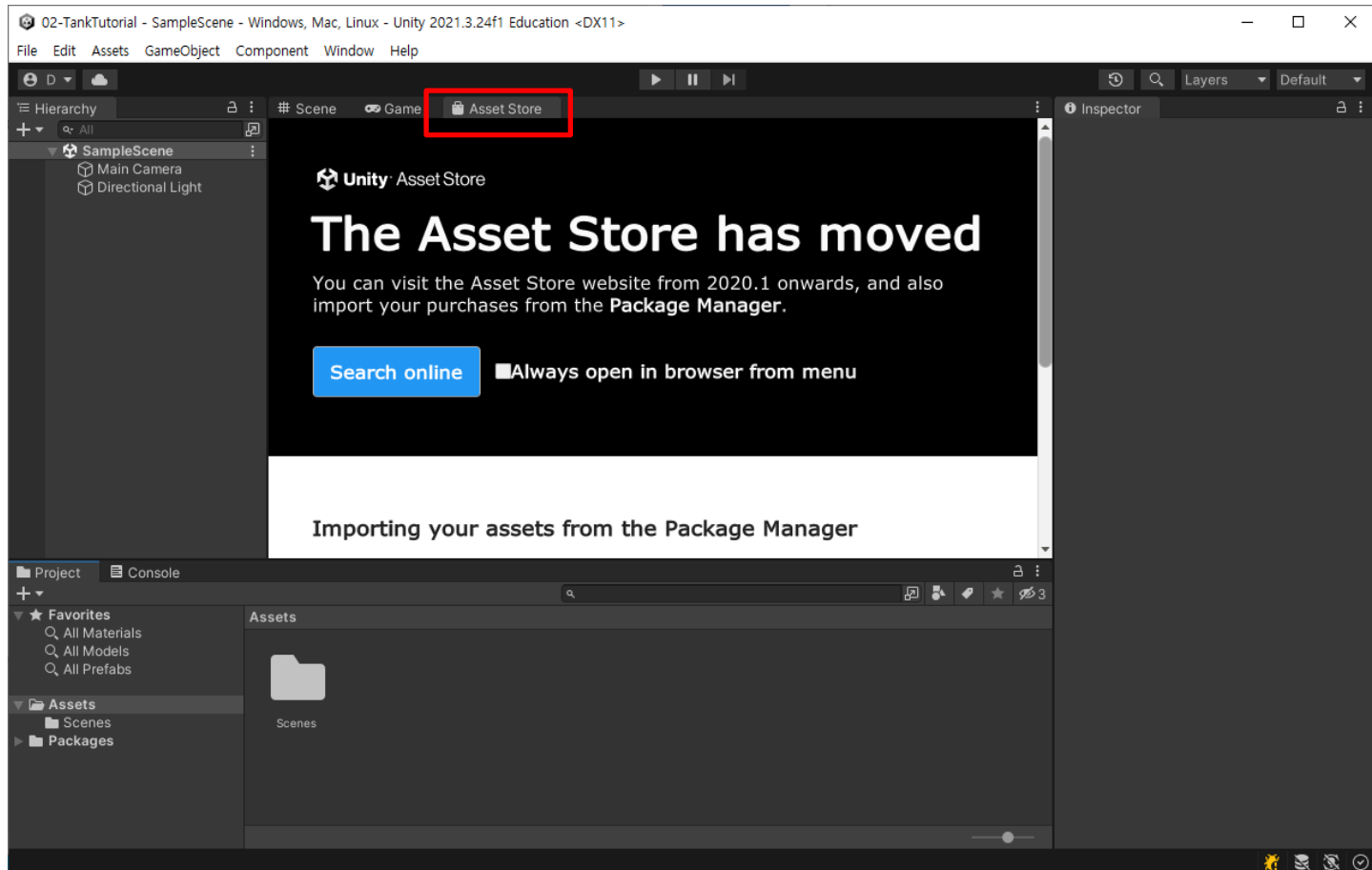
- assetstore.unity.com



- New Project 생성

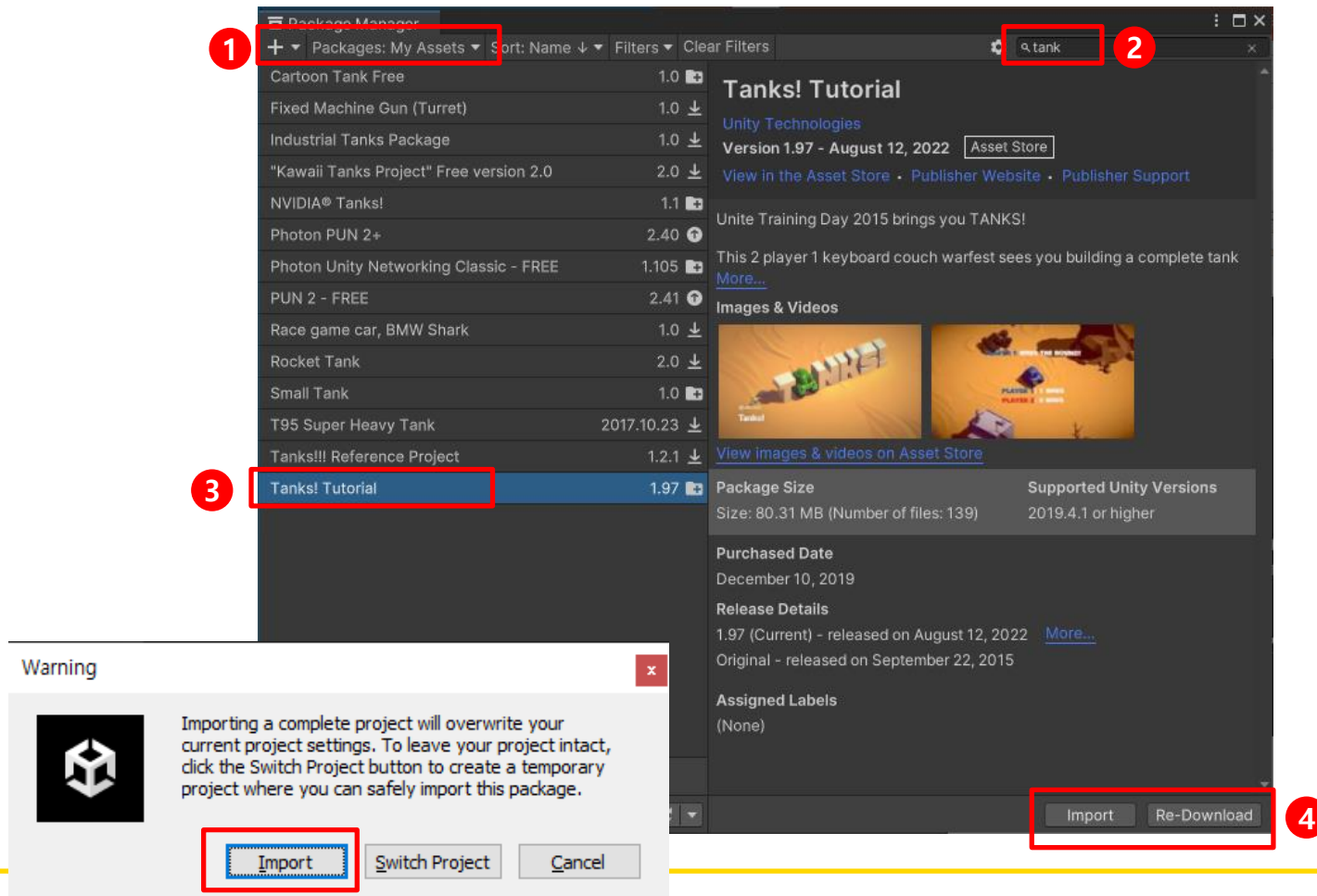


- Asset Store
 - [Window – Asset Store] 클릭



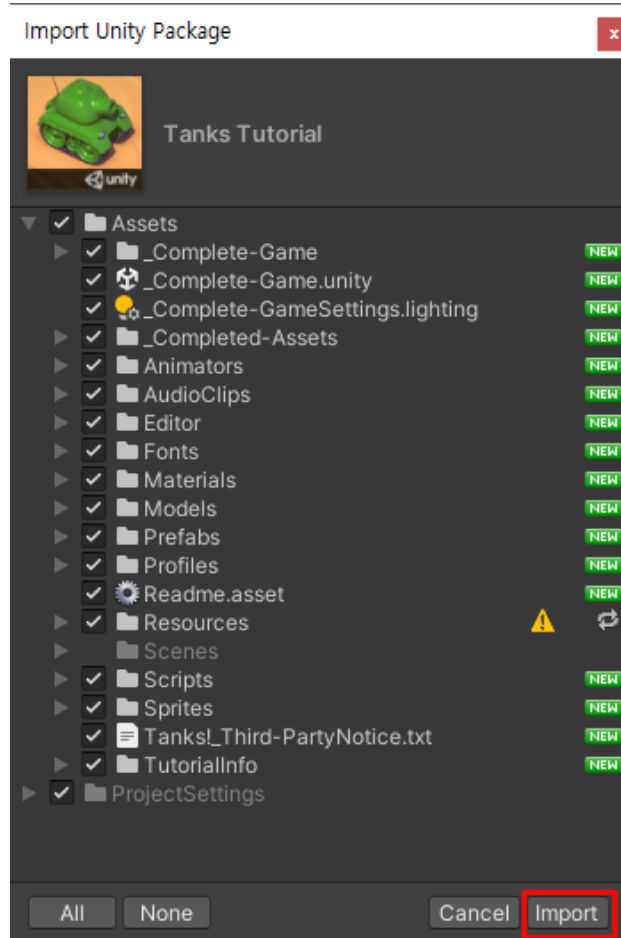
- Package Manager

- [Window – Package Manager] 클릭



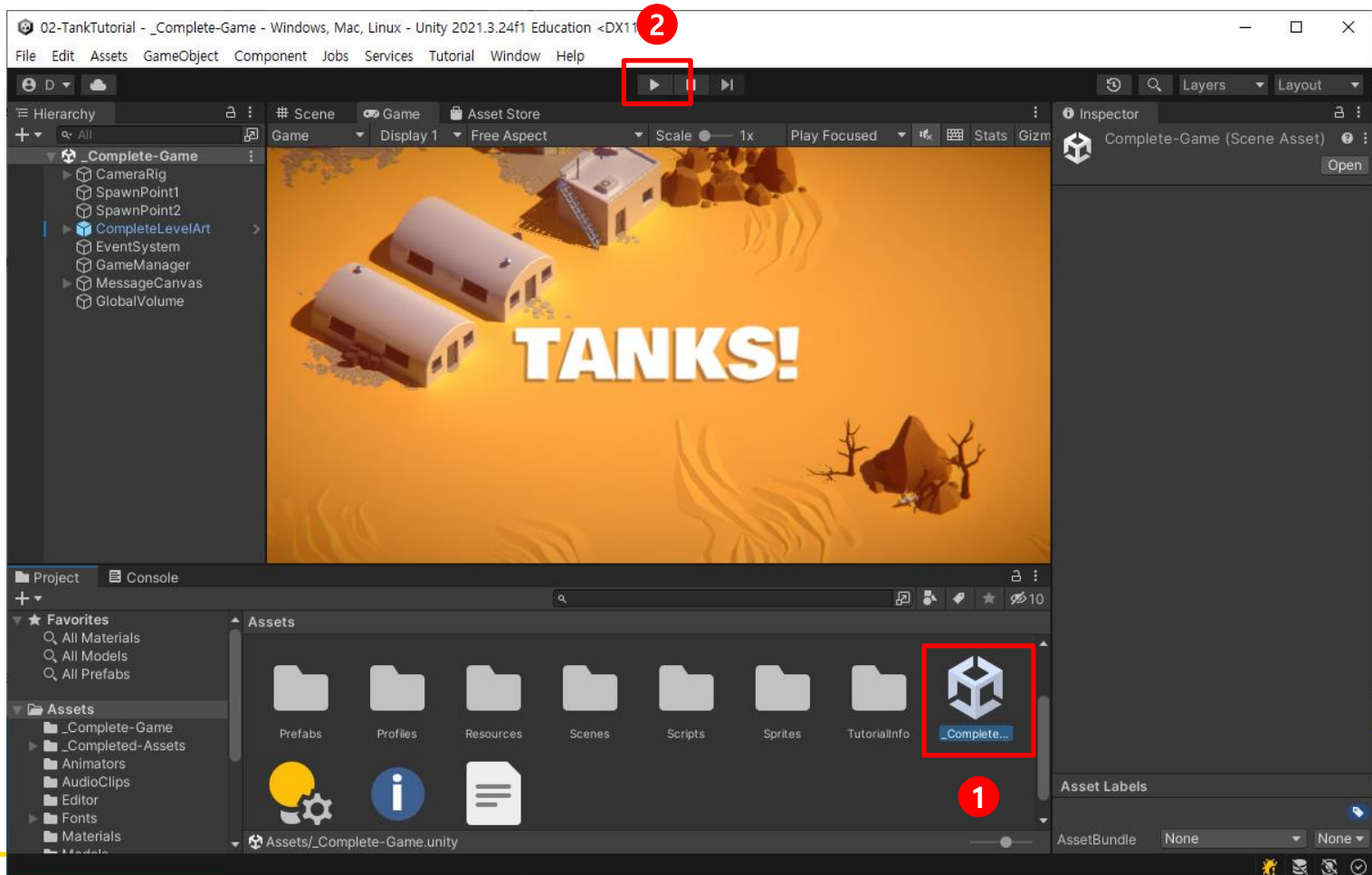
- Package Manager

- 패키지 импорт

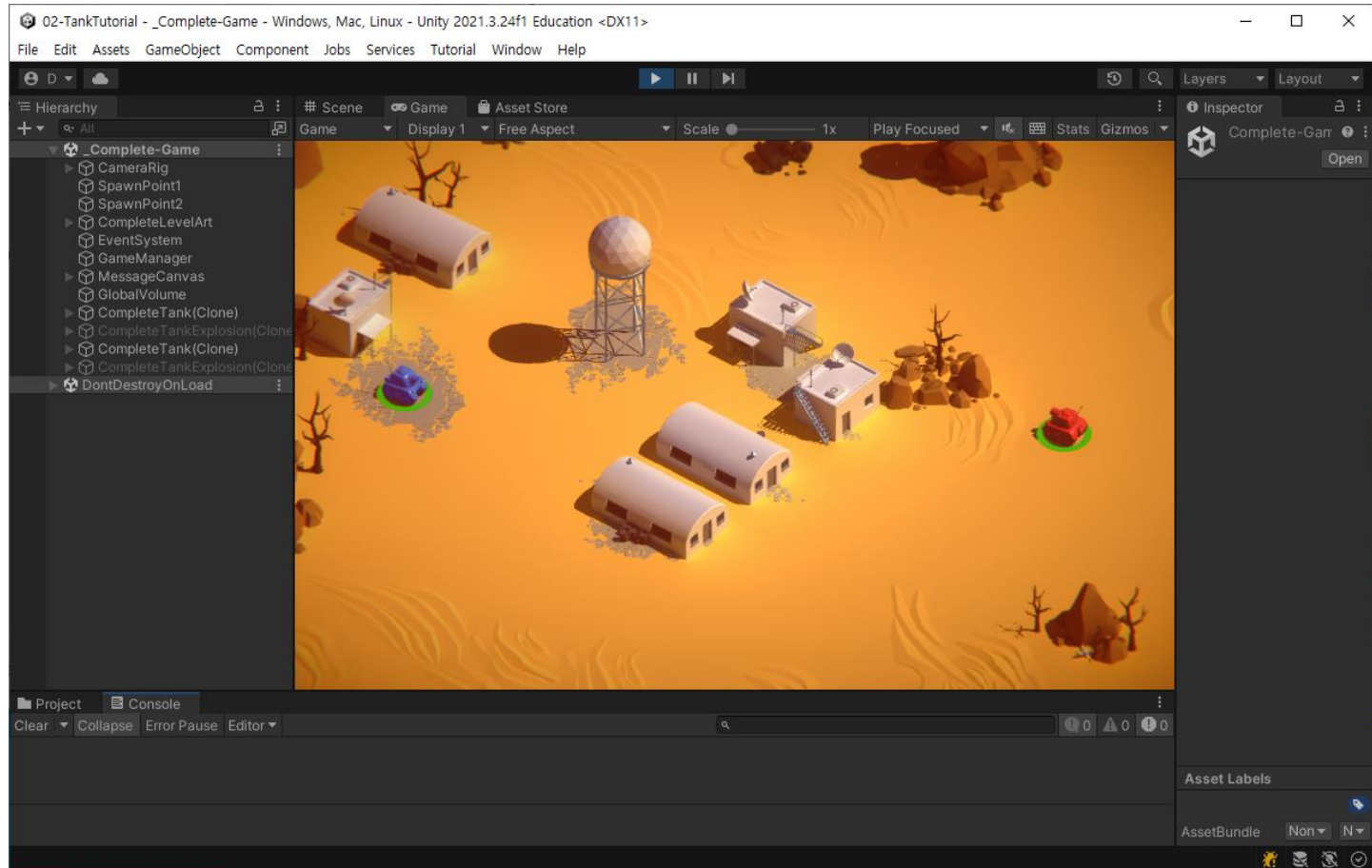


1

- Scene 오픈
- 프로젝트 실행

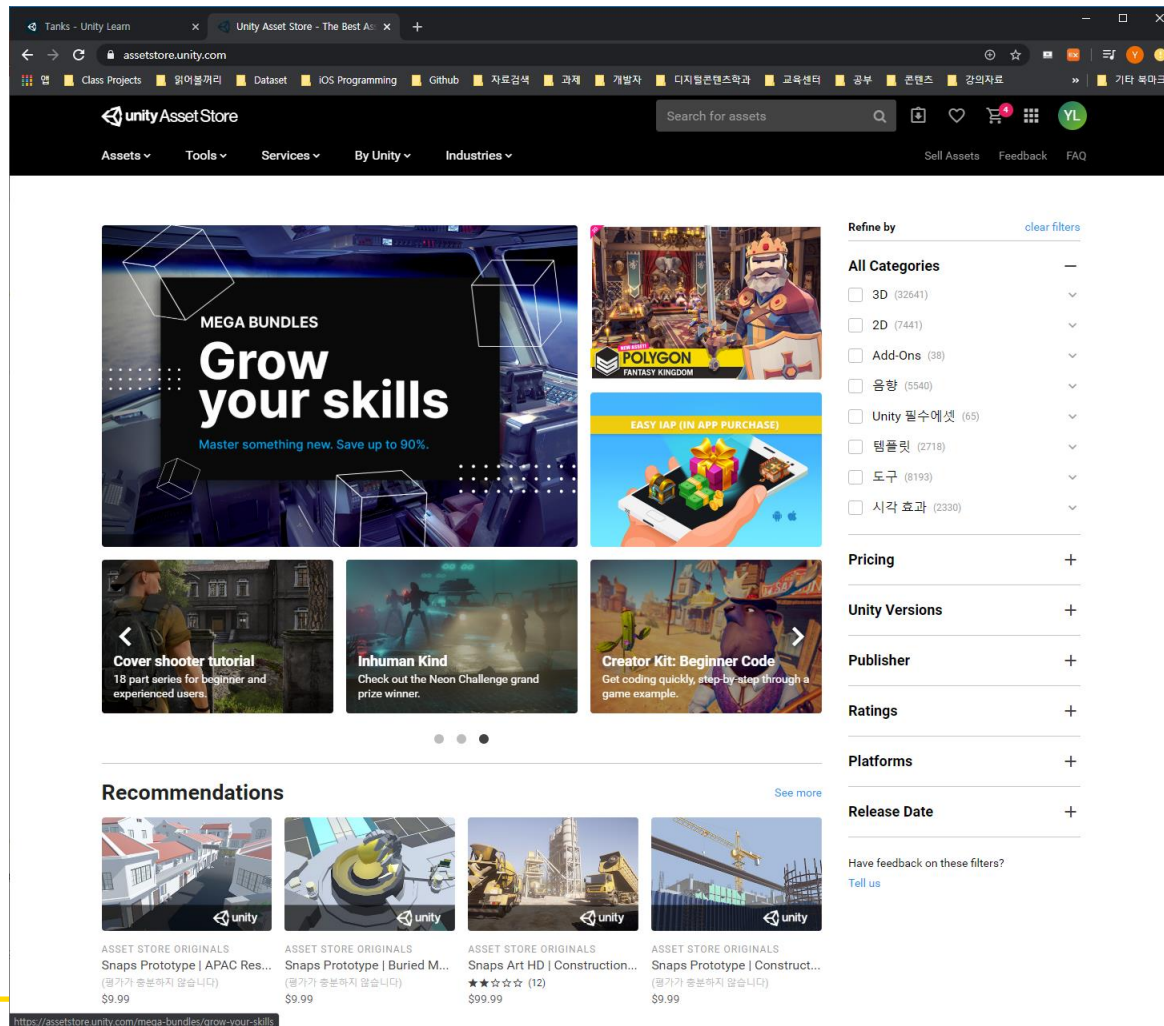


- **파란색 탱크** 조정 (ASDW: 전진/후진/좌우회전, Space:발포)
- **빨간색 탱크** 조정 (화살표키: 전진/후진/좌우회전, Shift:발포)



참조 : Unity Store

- assetstore.unity.com



Practices

