

The image features a stylized background with three horizontal, wavy bands of color: a light blue band at the top, a medium blue band in the middle, and a white band at the bottom. Three spheres are positioned on the wavy lines: a large light blue sphere on the left, a small green sphere on the right, and a medium light blue sphere on the right. The word "SourceTree" is centered in the middle blue band.

SourceTree

# Git GUI Client 종류

❖ SourceTree

❖ GitHub Desktop

❖ GitKraken

❖ SmartGit

# SourceTree

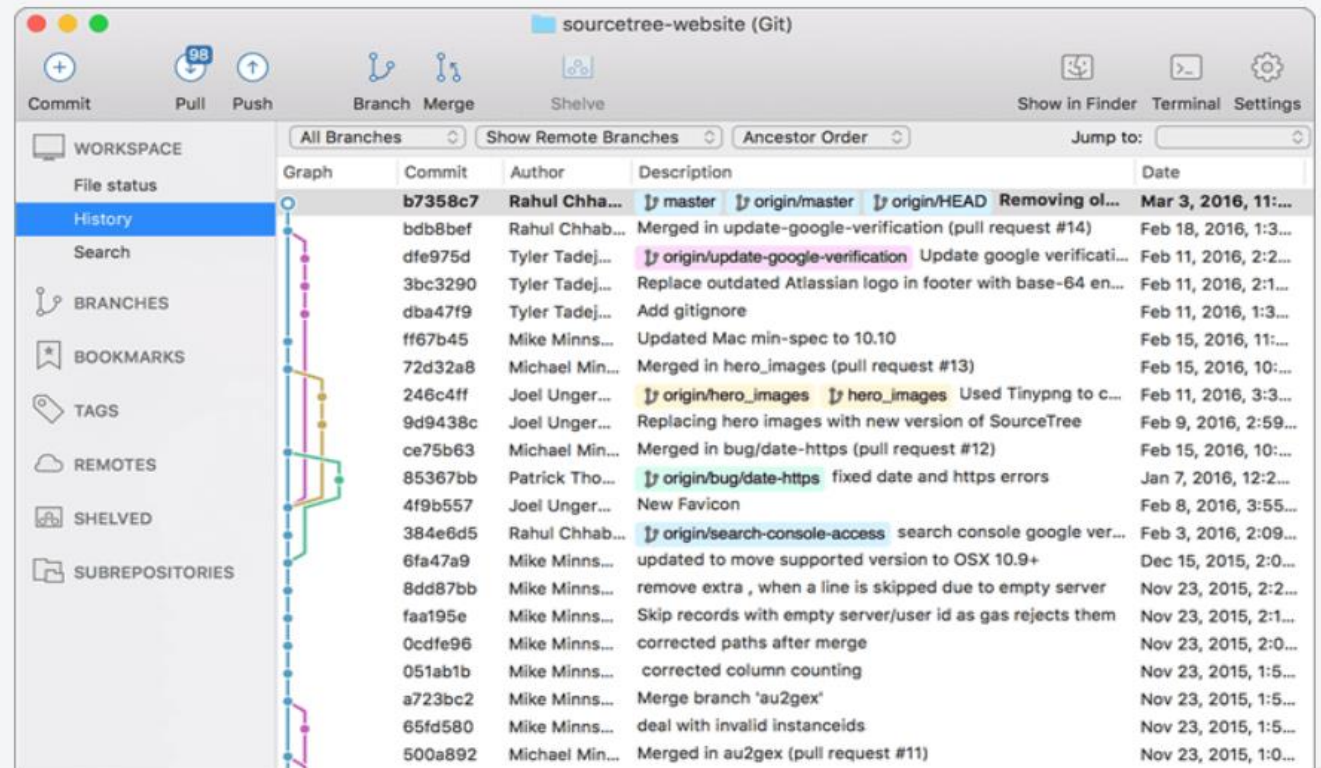
## ❖ SourceTree 다운로드

<https://www.sourcetreeapp.com/>

Simplicity and power in  
a beautiful Git GUI

Download for Windows

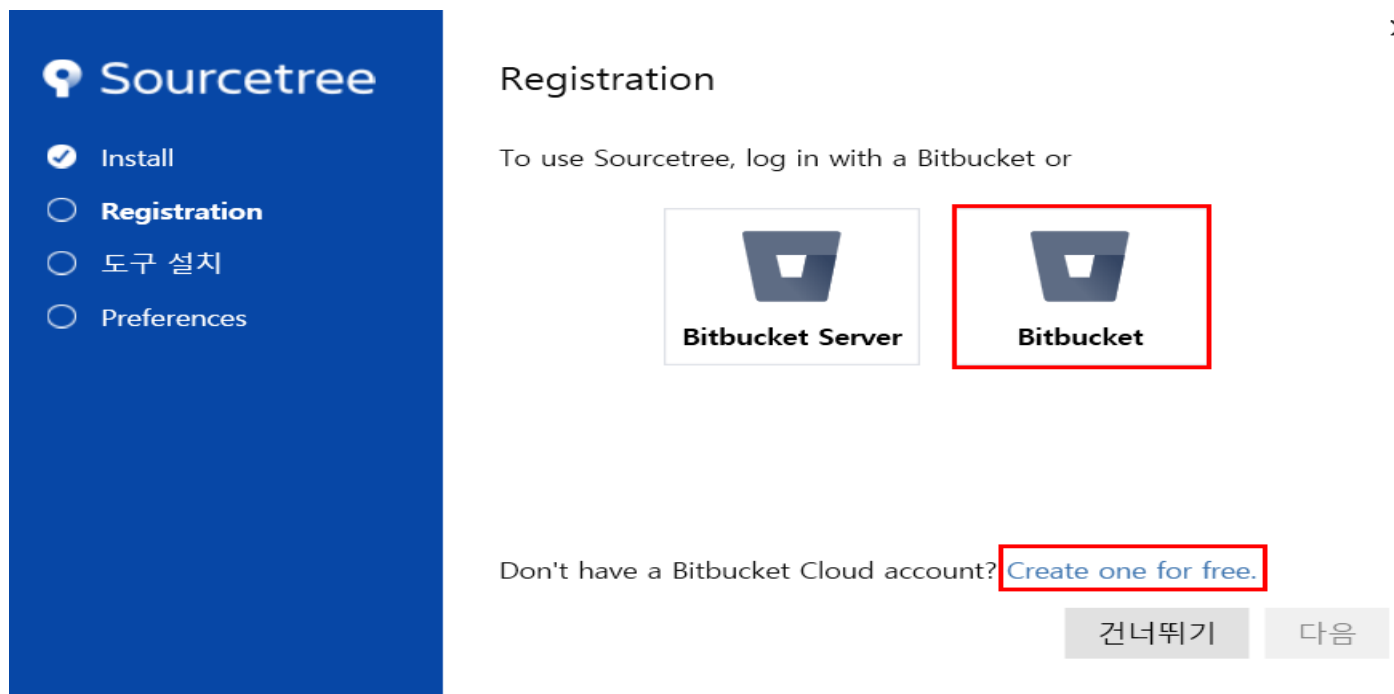
Also available for Mac OS X



# SourceTree

## ❖ SourceTree 설치

1. Bitbucket Server는 개별 서버를 설치한 경우에 로그인할 때 선택합니다.
2. Bitbucket은 Atlassian의 Bitbucket에 회원 가입된 사용자가 로그인할 때 선택합니다.
3. 만약 회원가입이 안되어 있는 경우 Create one free를 선택하여 회원가입을 먼저 해야 합니다.



# SourceTree

❖ 등록 완료

 Sourcetree

- ☒ Install
- ☐ **Registration**
- ☐ 도구 설치
- ☐ Preferences

등록 완료!



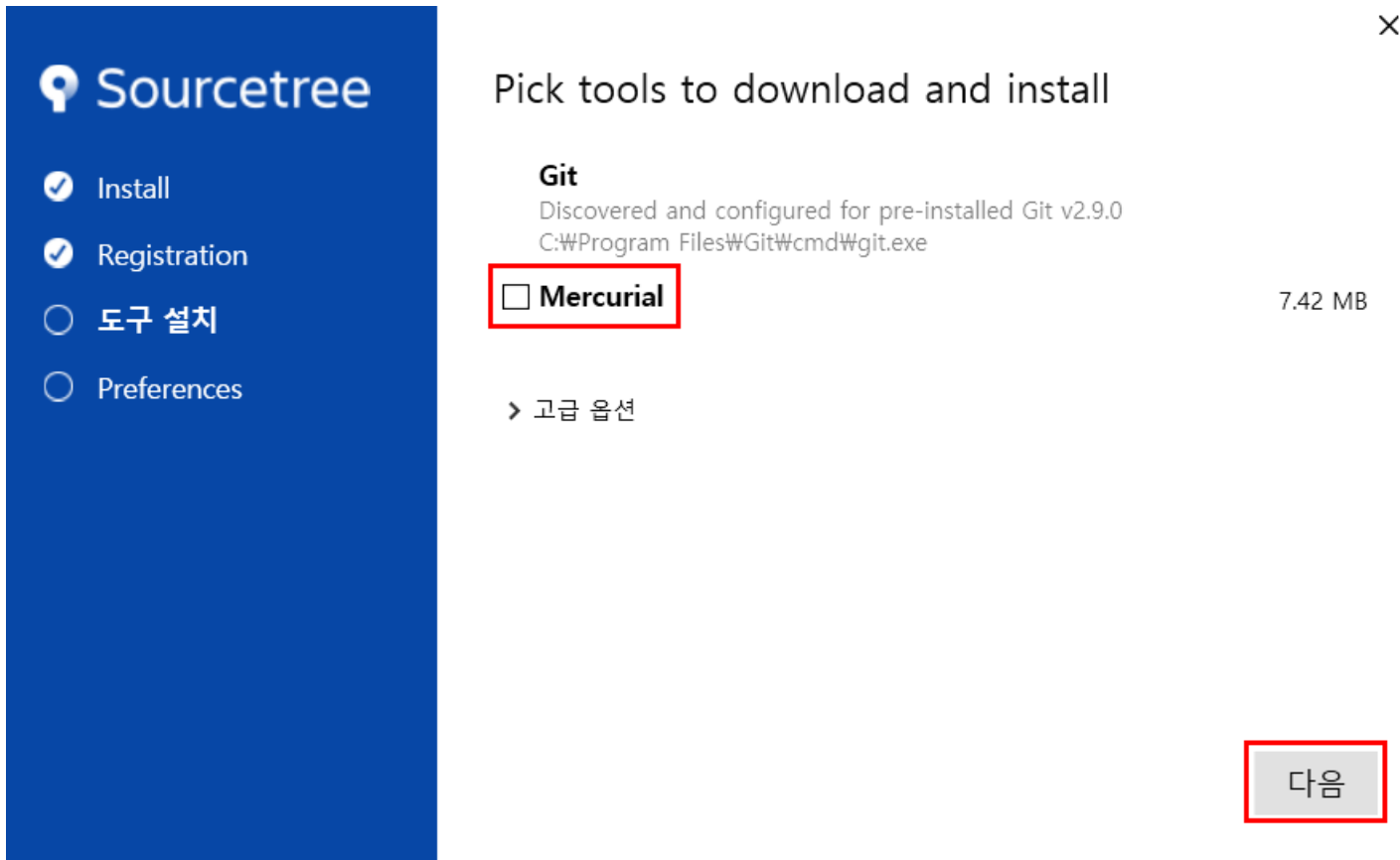
다음으로 로그인 함.giduck23@naver.com

건너뛰기

다음


# SourceTree

- ❖ Mercurial 설치 여부 선택  
Mercurial은 Git과 비슷한 Tool 입니다. 설치하지 않아도 상관없음.



# SourceTree

❖ 로그인한 아이디와 이메일 주소 확인

 Sourcetree

☒ Install

☒ Registration

☒ 도구 설치

☐ Preferences

×

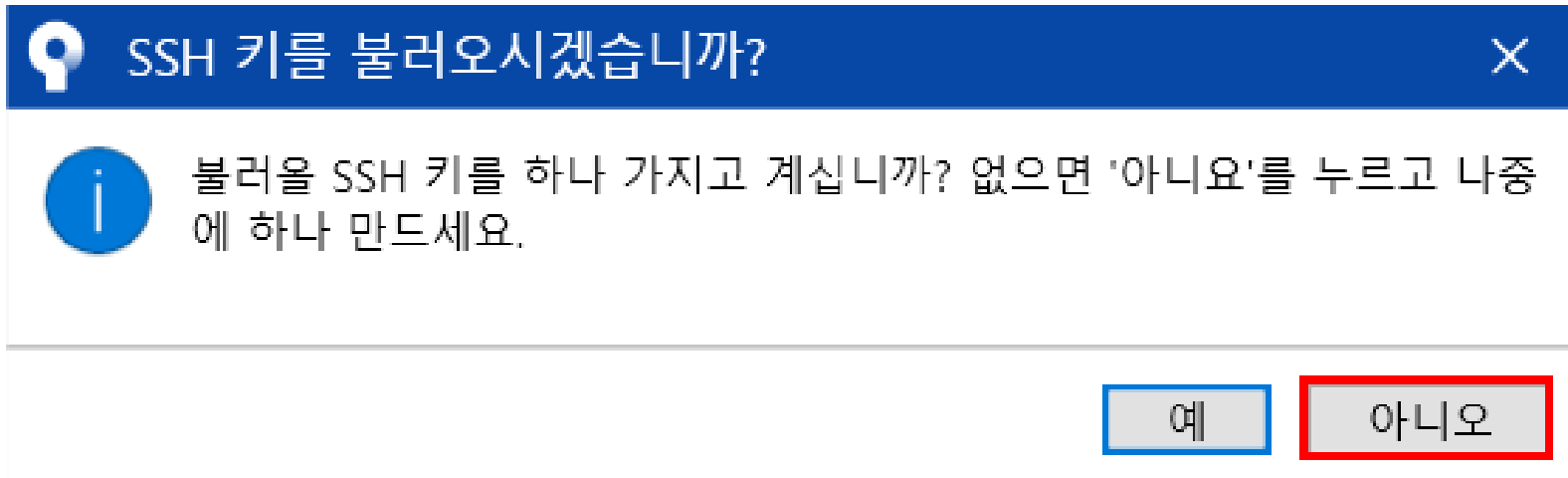
Preferences

Before we finish, take a moment to configure these settings.

다음

# SourceTree

❖ SSH 키를 불러올지 선택





## ❖ Repository 생성

로그인 후 저장소 생성

The screenshot shows the GitHub homepage with a dark navigation bar at the top. The main content area is divided into several sections. On the left, there's a 'Create your first project' section with a red box highlighting the 'Create repository' button. Below it is the 'Recent activity' section. In the center, there's a 'Learn Git and GitHub without any code!' section with two buttons: 'Read the guide' and 'Start a project'. Below that is the 'All activity' section with a 'Introduce yourself' card showing a sample README file. On the right, there's a 'Save the Date!' section for GitHub Universe.

**Create your first project**  
Ready to start building? Create a repository for a new idea or bring over an existing repository to keep contributing to it.

[Create repository](#) [Import repository](#)

**Recent activity**  
When you take actions across GitHub, we'll provide links to that activity here.

**Learn Git and GitHub without any code!**  
Using the Hello World guide, you'll create a repository, start a branch, write comments, and open a pull request.

[Read the guide](#) [Start a project](#)

**All activity**

**Introduce yourself**  
The easiest way to introduce yourself on GitHub is by creating a README in a repository about you! You can start here:

```
milkyway35 / README.md
```

```
1 - 👋 Hi, I'm @milkyway35
2 - 👀 I'm interested in ...
3 - 🌱 I'm currently learning ...
4 - 💬 I'm looking to collaborate on ...
5 - 📫 How to reach me ...
6
```

[Dismiss this](#) [Continue](#)

**Save the Date!**  
GitHub Universe is coming October 27 and 28. From product deep dives to interactive roundtables, you'll gather the tips, tools, and connections to help you do the best work of your life.

[Learn more](#)

## ❖ Repository 생성


- 중복되지 않은 Repository name 입력
- 공개 여부 선택  
Public : 공개 (무료)  
  
Private : 비공개 (유료)

### Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere?

[Import a repository.](#)

Owner \*

 milkyway35 ▾

Repository name \*

Great repository names are short and memorable. Need inspiration? How about [glowing-spork?](#)

Description (optional)



Public

Anyone on the internet can see this repository. You choose who can commit.



Private

You choose who can see and commit to this repository.

#### Initialize this repository with:

Skip this step if you're importing an existing repository.

☐ Add a README file

This is where you can write a long description for your project. [Learn more.](#)

☐ Add .gitignore

Choose which files not to track from a list of templates. [Learn more.](#)

☐ Choose a license

A license tells others what they can and can't do with your code. [Learn more.](#)

Create repository

# 토큰 인증받기

❖ 토큰 인증 : 2021년 8월 13일 이후로 계정 암호 대신에 **토큰 인증 로그인 방식**으로 바뀜

The screenshot displays the GitHub homepage for a user named 'milkyway35'. The top navigation bar includes the GitHub logo, a search bar, and links to 'Pull requests', 'Issues', 'Marketplace', and 'Explore'. The left sidebar shows 'Repositories' with a 'New' button and a search bar, and 'Recent activity' with a link to 'milkyway35 / myproject'. The main content area features a 'Learn Git and GitHub without any code!' banner with 'Read the guide' and 'Start a project' buttons. Below this is an 'All activity' section with an 'Introduce yourself' prompt and a text area for a README file. The right sidebar shows a 'Save the Date!' announcement and a user profile dropdown menu. The dropdown menu lists options: 'Signed in as milkyway35', 'Set status', 'Your profile', 'Your repositories', 'Your codespaces', 'Your projects', 'Your stars', 'Your gists', 'Upgrade', 'Feature preview', 'Help', 'Settings' (highlighted), and 'Sign out'.

Repositories New

Find a repository...

milkyway35 / myproject

Recent activity

When you take actions across GitHub, we'll provide links to that activity here.

Learn Git and GitHub without any code!

Using the Hello World guide, you'll create a repository, start a branch, write comments, and open a pull request.

[Read the guide](#) [Start a project](#)

All activity

Introduce yourself

The easiest way to introduce yourself on GitHub is by creating a README in a repository about you! You can start here:

milkyway35 / README.md

```
1 - 🐼 Hi, I'm @milkyway35
2 - 👁 I'm interested in ...
3 - 📖 I'm currently learning ...
4 - 🤝 I'm looking to collaborate on ...
5 - 📍 How to reach me ...
6
```

[Dismiss this](#) [Continue](#)

Save the Date!

GitHub Universe is coming! From product deep dives to roundtables, you'll gather connections to help you live.

[Learn more](#)

Signed in as milkyway35

[Set status](#)

[Your profile](#)

[Your repositories](#)

[Your codespaces](#)

[Your projects](#)

[Your stars](#)

[Your gists](#)

[Upgrade](#)

[Feature preview](#)

[Help](#)

[Settings](#)

[Sign out](#)

# 토큰 인증받기



**milkyway35**  
Your personal account

[Go to your personal profile](#)

Account settings

Profile

Account

Appearance

Account security

Billing & plans

Security log

Security & analysis

Sponsorship log

Emails

Notifications

Scheduled reminders

SSH and GPG keys

Repositories

Packages

Organizations

Saved replies

Applications

Developer settings

Moderation settings

Blocked users

Interaction limits

## Public profile

Name

Your name may appear around GitHub where you contribute or are mentioned. You can remove it at any time.

Public email

You have set your email address to private. To toggle email privacy, go to [email settings](#) and uncheck "Keep my email address private."

Bio

You can @mention other users and organizations to link to them.

URL

Twitter username

Company

You can @mention your company's GitHub organization to link it.

Location

All of the fields on this page are optional and can be deleted at any time, and by filling them out, you're giving us consent to share this data wherever your user profile appears. Please see our [privacy statement](#) to learn more about how we use this information.

[Update profile](#)

Profile picture



[Edit](#)

# 토큰 인증받기

## ❖ 토큰 인증

[Settings](#) / Developer settings



Confirm access

Password

[Forgot password?](#)

Confirm password

Tip: You are entering `sudo mode`. We won't ask for your password again for a few hours.

GitHub Apps

OAuth Apps

Personal access tokens

## Personal access tokens

Generate new token

Revoke all

Tokens you have generated that can be used to access the [GitHub API](#).

Personal access tokens function like ordinary OAuth access tokens. They can be used instead of a password for Git over HTTPS, or can be used to [authenticate to the API over Basic Authentication](#).

# 토큰 인증받기

## ❖ 토큰 인증

토큰 이름과 토큰 사용 기간을 선택한다.

GitHub Apps
OAuth Apps
Personal access tokens

## New personal access token

Personal access tokens function like ordinary OAuth access tokens. They can be used instead of a password for Git over HTTPS, or can be used to [authenticate to the API over Basic Authentication](#).

### Note

milkyway\_token

What's this token for?

### Expiration \*

No expiration

The token will never expire!

# 토큰 인증받기

## ❖ 토큰 인증

### Select scopes

Scopes define the access for personal tokens. [Read more about OAuth scopes.](#)



- |   |                                      |
|---|--------------------------------------|
| <input checked="" type="checkbox"/> repo            | Full control of private repositories |
| <input checked="" type="checkbox"/> repo:status     | Access commit status                 |
| <input checked="" type="checkbox"/> repo_deployment | Access deployment status             |
| <input checked="" type="checkbox"/> public_repo     | Access public repositories           |
| <input checked="" type="checkbox"/> repo:invite     | Access repository invitations        |
| <input checked="" type="checkbox"/> security_events | Read and write security events       |

# 토큰 인증받기

## ❖ 토큰 인증

토큰은 로그인 할때 사용 해야되고, 이 화면에서만 볼 수 있기 때문에 복사해서 파일에 잘 보관 해두자.

GitHub Apps

OAuth Apps

Personal access tokens


### Personal access tokens

Generate new token

Revoke all

Tokens you have generated that can be used to access the [GitHub API](#).

Make sure to copy your personal access token now. You won't be able to see it again!

✓ ghp\_6PW6kA2U4M8FnJgpRNPpHkcCQMiLSA3eMSoA 

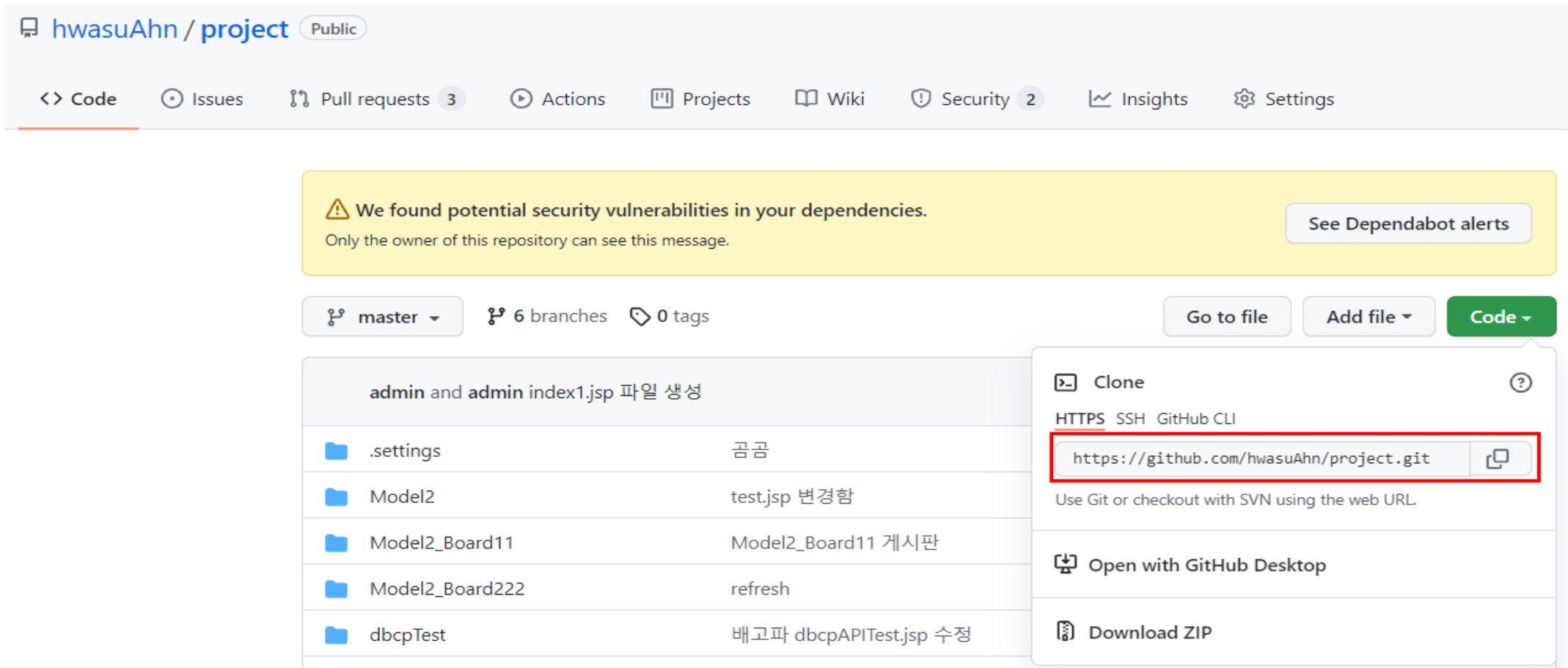
Delete

Personal access tokens function like ordinary OAuth access tokens. They can be used instead of a password for Git over HTTPS, or can be used to [authenticate to the API over Basic Authentication](#).



# Github에 있는 저장소(Repository) Clone


- ❖ Github에서 Clone할 저장소 주소 복사



The image shows a GitHub repository page for 'hwasuAhn/project'. The repository is public and has 6 branches and 0 tags. A yellow banner at the top indicates potential security vulnerabilities in dependencies. The repository contains several files and folders, including .settings, Model2, Model2\_Board11, Model2\_Board222, and dbcpTest. A 'Clone' dropdown menu is open, showing the HTTPS URL 'https://github.com/hwasuAhn/project.git' which is highlighted with a red box. Other options in the menu include 'SSH', 'GitHub CLI', 'Open with GitHub Desktop', and 'Download ZIP'.

hwasuAhn / project Public



<> Code Issues Pull requests 3 Actions Projects Wiki Security 2 Insights Settings

 We found potential security vulnerabilities in your dependencies.  
Only the owner of this repository can see this message. [See Dependabot alerts](#)


master 6 branches 0 tags

[Go to file](#) [Add file](#) [Code](#)


admin and admin index1.jsp 파일 생성	
.settings	공공
Model2	test.jsp 변경함
Model2_Board11	Model2_Board11 게시판
Model2_Board222	refresh
dbcpTest	배고파 dbcpAPITest.jsp 수정


 Clone 

HTTPS SSH GitHub CLI

<https://github.com/hwasuAhn/project.git> 

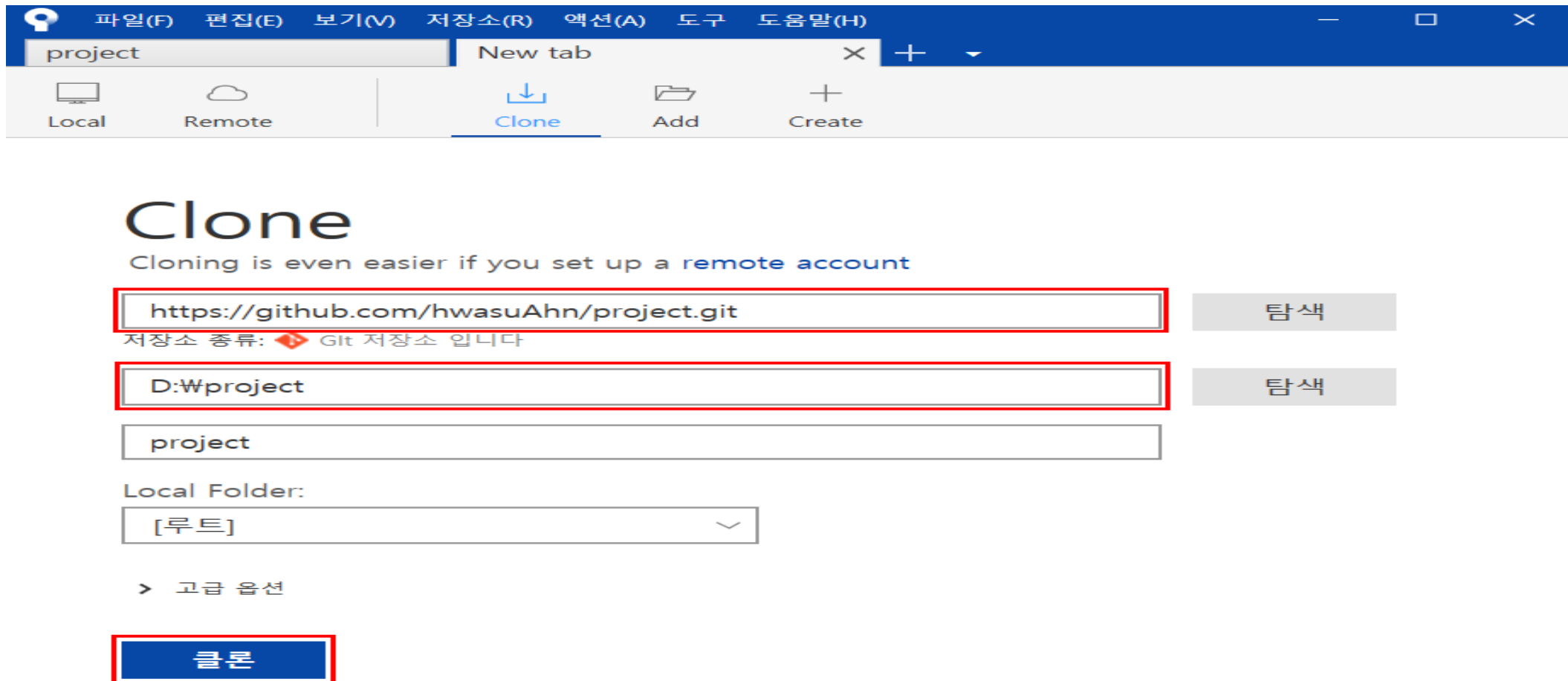
Use Git or checkout with SVN using the web URL.

 Open with GitHub Desktop

 Download ZIP

# Github에 있는 저장소(Repository) Clone

- ❖ Github에서 Clone할 저장소 주소 복사



The screenshot shows the GitHub 'Clone' interface. At the top, there's a navigation bar with 'Local', 'Remote', 'Clone', 'Add', and 'Create' options. The 'Clone' option is selected. Below the navigation bar, the title 'Clone' is displayed, followed by the text 'Cloning is even easier if you set up a remote account'. There are three input fields: the first contains the repository URL 'https://github.com/hwasuAhn/project.git', the second contains the local path 'D:\project', and the third contains the repository name 'project'. To the right of each input field is a '탐색' (Search) button. Below the input fields, there's a 'Local Folder:' label and a dropdown menu showing '[루트]' (Root). At the bottom, there's a link '> 고급 옵션' (Advanced options) and a large blue '클론' (Clone) button.


파일(F) 편집(E) 보기(V) 저장소(R) 액션(A) 도구 도움말(H)

project New tab

Local Remote Clone Add Create

## Clone

Cloning is even easier if you set up a [remote account](#)

저장소 종류:  Git 저장소입니다

Local Folder:

> 고급 옵션

# Github에 있는 저장소(Repository) Clone

## ❖ history 확인

The screenshot shows the GitHub Desktop application interface. The top menu bar includes options like '파일(F)', '편집(E)', '보기(V)', '저장소(R)', '액션(A)', '도구', and '도움말(H)'. The left sidebar shows the 'WORKSPACE' section with '파일 상태', 'History' (highlighted with a red box), and 'Search'. Below this, the '브랜치' section shows 'master' (highlighted with a red box). The main area displays the commit history for the 'master' branch, sorted by '날짜순으로 정렬' (Sort by Date). The history table shows three commits:

그래프	설명	날짜	작성자
	index.jsp 추가	9 10 2021 21:51	hwasuAhn <g
	hi	9 10 2021 21:45	hwasuAhn <g
	hi	9 10 2021 21:29	hwasuAhn <g

Below the history table, the '파일 상태' (File Status) section shows the changes in the 'jspproject' directory. The 'jspproject/.classpath' file is highlighted, and its content is shown in the right pane:

```
<?xml version="1.0" encoding="UTF-8"?>
<classpath>
  <classpathentry kind="src" path="src"/>
  <classpathentry kind="con" path="org.eclipse.jdt.launching
  <attributes>
    <attribute name="owner.project.facets" value="java
  </attributes>
</classpathentry>
  <classpathentry kind="con" path="org.eclipse.jst.server.co
  <attributes>
    <attribute name="owner.project.facets" value="jst
  </attributes>
</classpathentry>
```

# Eclipse와 sourcetree 연결

## ❖ Local Repository 추가

spring-workspace - Eclipse IDE

File Edit Navigate Search Project Run Window Help

Project Explorer

> Servers

Markers Properties Servers Data Source Exp

Select one of the following to add a repository to this v

- [Add an existing local Git repository](#)
- [Clone a Git repository](#)
- [Create a new local Git repository](#)

**Add Git Repositories**

Search and select Git repositories on your local file system

Found one repository scanning one folder in 2ms

Search criteria

Directory: D:\project Browse... Search

☐ Look for nested repositories

☒ Skip hidden directories

Search results

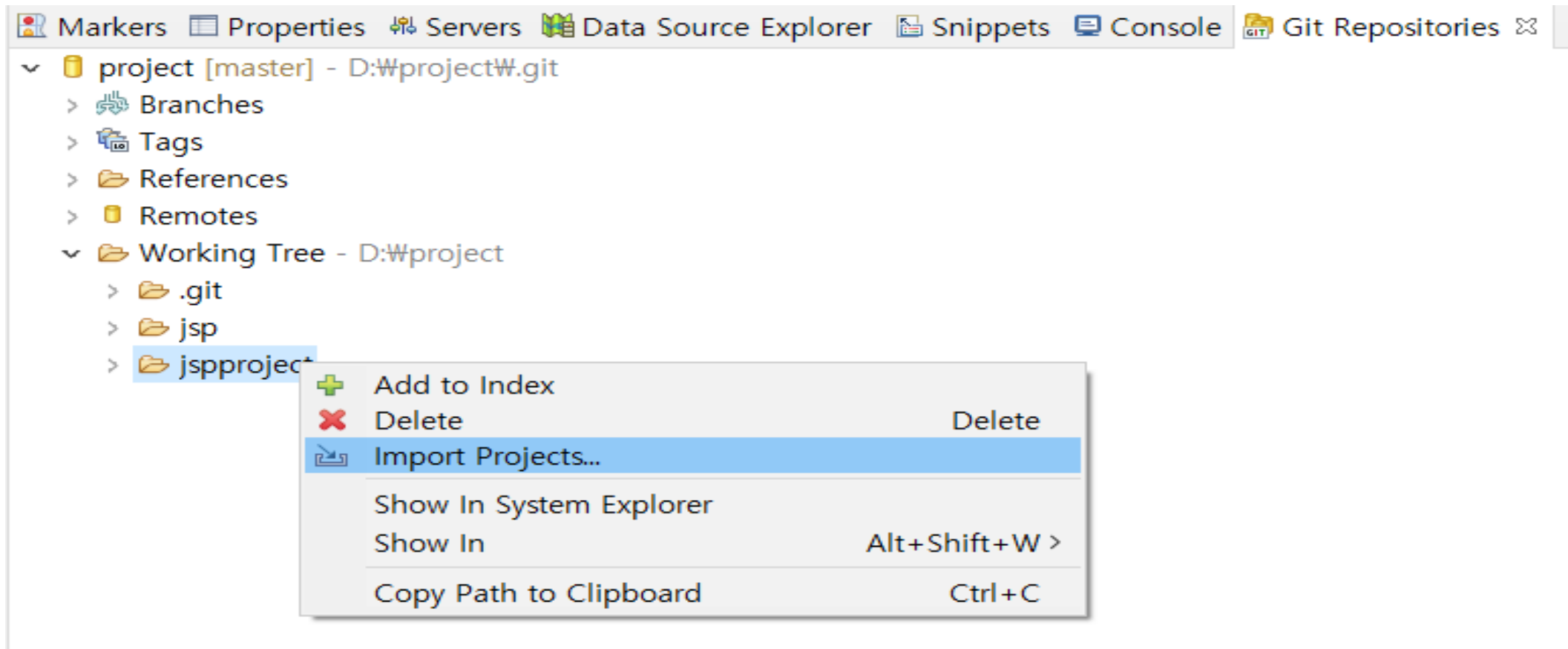
type	filter	text
<input checked="" type="checkbox"/>	Git	D:\project\*.git

?

Add Cancel


# Eclipse와 sourcetree 연결

- ❖ Local Repository의 project를 eclipse에 import하기



# Eclipse와 sourcetree 연결

- ❖ Local Repository의 project를 eclipse에 import하기

 Import Projects from File System or Archive

**Import Projects from File System or Archive**

This wizard analyzes the content of your folder or archive file to find projects and import them in the IDE.

Import source:  Directory... Archive...

Folder	Import as
<input checked="" type="checkbox"/> jspproject	Eclipse project

Select All  
Deselect All

1 of 1 selected  
☐ Hide already open projects

☐ Close newly imported projects upon completion

Use [installed project configurators](#) to:

☒ Search for nested projects  
☒ Detect and configure project natures

Working sets

☐ Add project to working sets New...

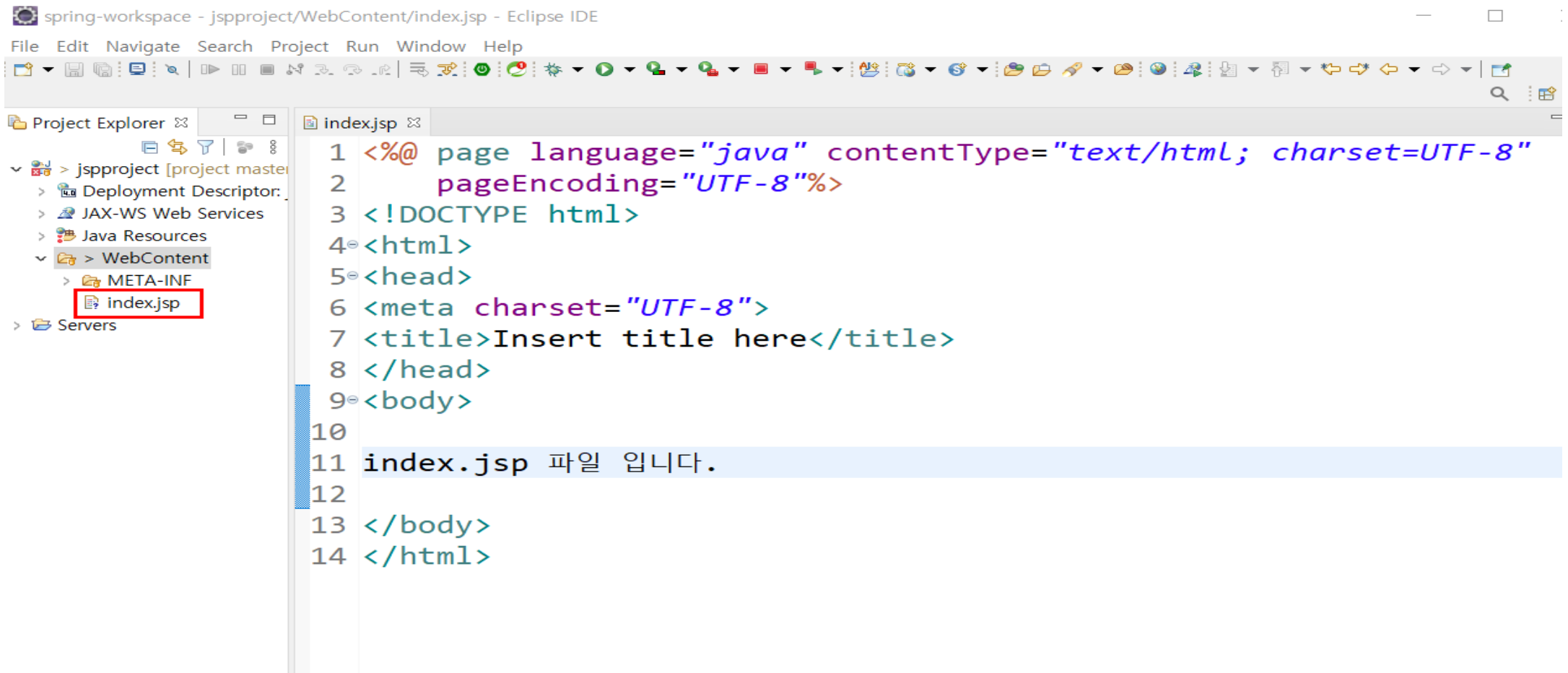
Working sets:  Select...

[Show other specialized import wizards](#)

< Back Next > **Finish** Cancel

# push

- ❖ Eclipse에 index.jsp 파일 생성해서 push하기



The screenshot shows the Eclipse IDE interface. The title bar indicates the workspace is 'spring-workspace' and the current file is 'jspproject/WebContent/index.jsp'. The menu bar includes File, Edit, Navigate, Search, Project, Run, Window, and Help. The toolbar contains various icons for file operations and development tools. The Project Explorer on the left shows the project structure: 'jspproject [project master]' with sub-entries for 'Deployment Descriptor', 'JAX-WS Web Services', 'Java Resources', 'WebContent', 'META-INF', and 'index.jsp' (which is highlighted with a red box). The main editor window displays the content of 'index.jsp', which is a JSP page with the following code:

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8"
2     pageEncoding="UTF-8"%>
3 <!DOCTYPE html>
4 <html>
5 <head>
6 <meta charset="UTF-8">
7 <title>Insert title here</title>
8 </head>
9 <body>
10
11 index.jsp 파일 입니다.
12
13 </body>
14 </html>
```

# push

## ❖ Sourcetree에서 push하기

The screenshot displays the Sourcetree application interface. The top toolbar contains icons for commit (+), pull (down arrow), push (up arrow), patch, branch, merge, stash, reset, and tag. The 'commit' icon is highlighted with a red box. The left sidebar shows the 'WORKSPACE' section with '파일 상태' (File Status) selected. The main area shows a commit history table with columns for commit type, branch, commit message, date, and author. The most recent commit is highlighted in blue. Below the commit history, the 'Staging Area' section is visible, showing a list of files to be committed. The file 'jspproject/WebContent/index.jsp' is selected and highlighted with a red box. A red arrow points to the 'Staging Area' section. The bottom right pane shows the content of the selected file, 'index.jsp', which contains HTML and JSP code.

커밋하지 않은 변경사항	날짜	작성자
11 10 2021 17:26	*	
9 10 2021 21:51	hwasuAhn <g	
9 10 2021 21:45	hwasuAhn <g	
9 10 2021 21:29	hwasuAhn <g	

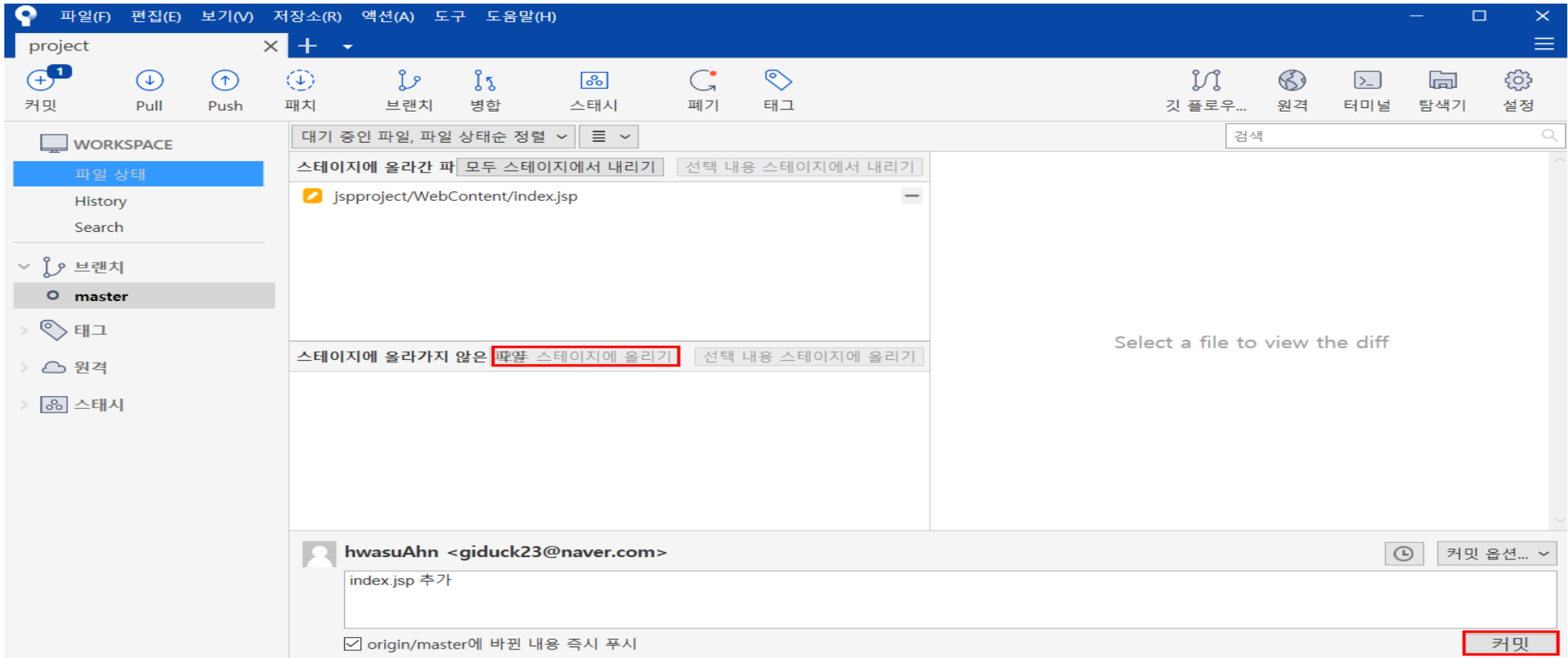
jspproject/WebContent/index.jsp

```
1 <%@ page language="java" contentType="text/html; charset=UTF-8"%>
2 <!-- pageEncoding="UTF-8"% -->
3 <!DOCTYPE html>
4 <html>
5 <head>
6 <meta charset="UTF-8">
7 <title>Insert title here</title>
8 </head>
9 <body>
10
11 index.jsp 파일 입니다.
12
```



# push

## ❖ Sourcetree에서 push하기



# push

❖ Sourcetree에서 push하기

Password : token 입력 (중요)



Authenticate



Login required for: github.com

Username:

Password:

☒ Remember password

Login

Cancel

# push

## ❖ Push 안될 경우

- push가 안될 경우에는 password가 저장되는 위치에서 **passwd 파일을 삭제**하고, 다시 commit and push를 실행하면 다시 인증창이 나타난다.

## ● password 저장 위치

C:\Users\giduc\AppData\Local\Atlassian\SourceTree\

← → ↕ ↑ > hwasu ahn > AppData > Local > Atlassian > SourceTree				
이름	수정된 날짜	유형	크기	
cache	2021-10-11 오후 5:08	파일 폴더		
git_extras	2021-10-11 오후 5:07	파일 폴더		
5c8fbe91-a12b-4001-b4b6-ab478d3711bfsourcetree	2021-10-11 오후 7:57	텍스트 문서	7KB	
bookmarks	2021-10-11 오후 5:08	XML 문서	1KB	
dictionary	2021-10-11 오후 5:08	Dictionary File	1KB	
<b>passwd</b>	2021-10-11 오후 8:03	파일	1KB	
settings	2021-10-11 오후 8:03	텍스트 문서	19KB	
sourcetree	2021-10-11 오후 5:08	텍스트 문서	1KB	
userhosts	2021-10-11 오후 7:46	파일	1KB	

# push

- ❖ Push 안될 경우  
passwd 파일 생성되지 않는 경우

설정 - 저장소 설정(원격)

이름	경로
origin	https://github.com/milkyway35/myproject.git

추가 편집 제거

설정 파일 편집... 확인 취소

원격 저장소 정보

필요한 정보

원격 이름: origin ☒ 디폴트 원격

URL / 경로: https://ghp\_QDY9kh5yNLkW2AtIjc7WslhUAa20M80WjpLg@github.com/milkyway35/myproj...

추가 확장 통합

Remote Account: token @ 추가

Generic Account  
Generic Host

Legacy Account Settings:

호스트 종류: GitHub

호스트 루트 URL: https://www.github.com


사용자명: giduck23@naver.com


확장 통합을 사용하면 Bitbucket 과 같은 외부 호스팅과 연계할 수 있습니다. 예를들어, 사이트에서 링크를 열 때 기존의 클론을 찾아 표시하거나, 그대로 pull 요청을 만들 수 있습니다.


확인 취소

# push

- ❖ Github 홈페이지에서 push결과 확인

 master ▾


 1 branch


 0 tags


Go to file

Add file ▾

Code ▾

 hwasuAhn index.jsp 추가 296b7f9 39 seconds ago ⌚ 6 commits

 jsp index.jsp 추가 2 days ago

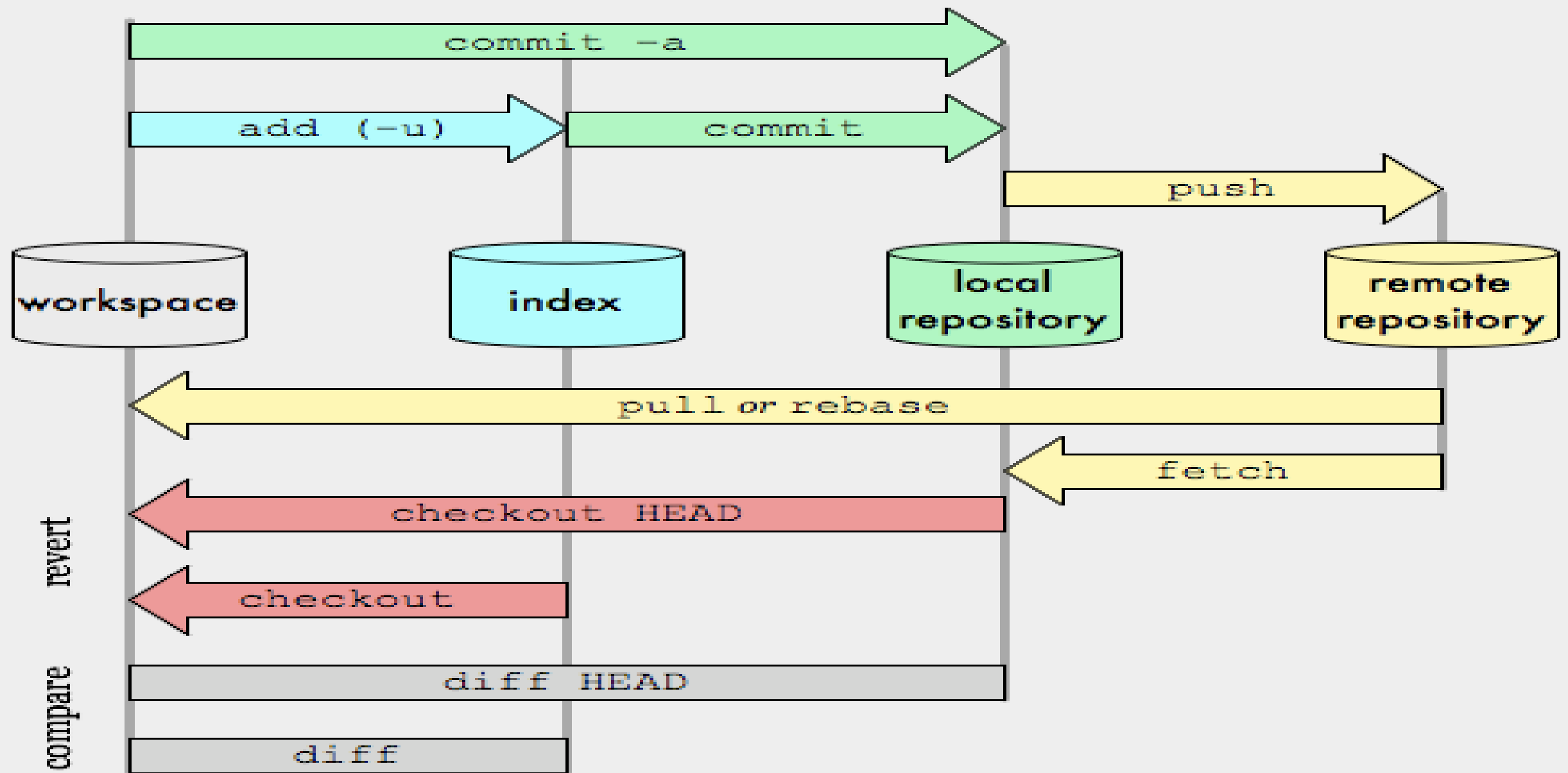
 jspproject index.jsp 추가 39 seconds ago

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# Git Data Transport Commands

<http://osteele.com>





협업하기

# Branch 생성

## ❖ user1 branch 생성

The screenshot shows the Git GUI interface with the 'Branch' dialog box open. The dialog box has a title bar '브랜치' and two buttons: '새 브랜치' (New Branch) and '브랜치 삭제' (Delete Branch). The '현재 브랜치: master' (Current Branch: master) is displayed. The '새 브랜치: user1' (New Branch: user1) field is highlighted with a red box. The '커밋' (Commit) section has '작업 사본 부모' (Working Copy Parent) selected. The '새 브랜치 체크아웃' (New Branch Checkout) checkbox is checked. The '브랜치 생성' (Create Branch) button is highlighted with a red box. The background shows the 'Workspace' panel with a list of files and the 'Commit' panel with a commit message.

Workspace

- 파일 상태
- History
- Search
- 브랜치
  - master
- 태그
- 원격
- 스태시

Commit

커밋: 95699cd5f67aa70fe6d4491962fcea6c3a3cc0da [95699cd]  
상위 항목: 296b7f904c  
작성자: hwasuAhn <giduck23@naver.com>  
날짜: 2021년 10월 11일 월요일 오후 8:01:52  
커밋한 사람: hwasuAhn

index.jsp 추가

Commit Message

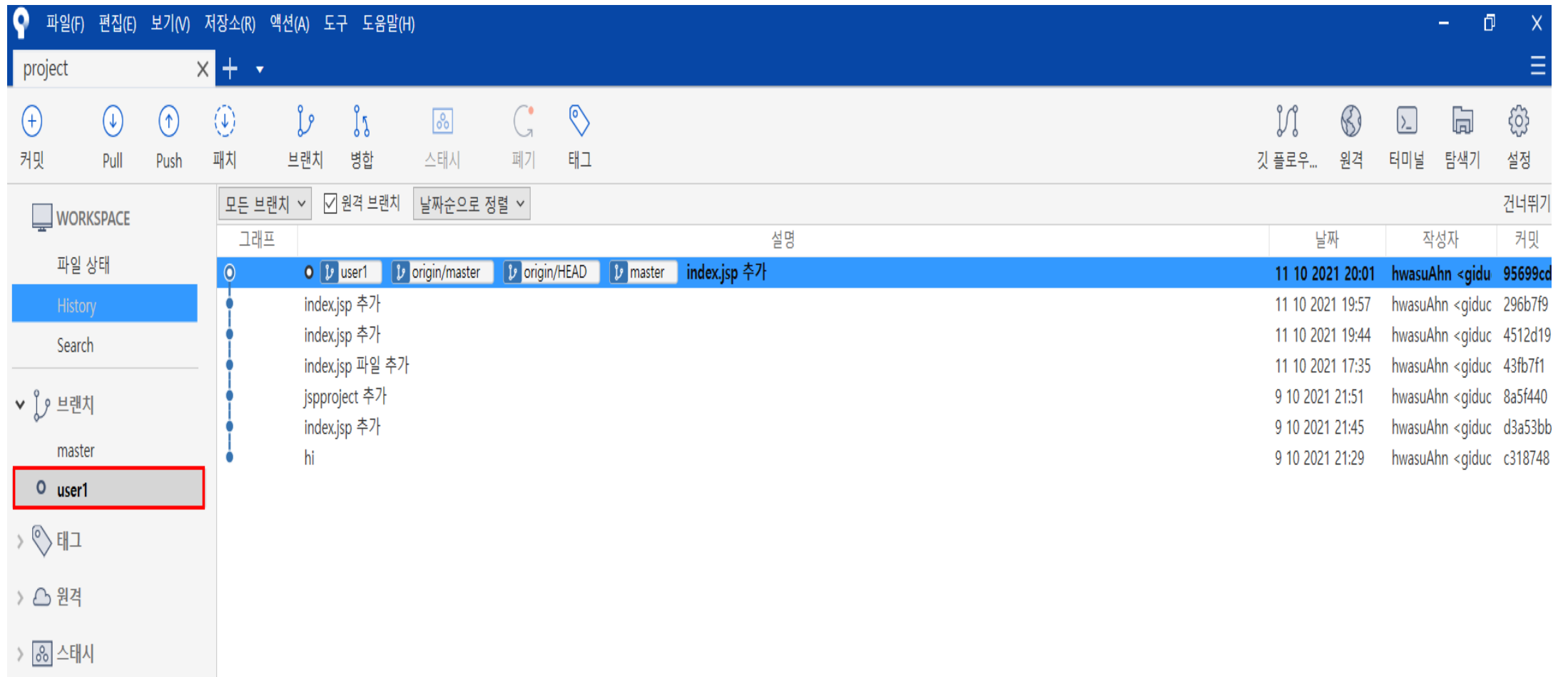
1 부분: 8-14 줄

```
8 8 ...</head>
9 9 ...<body>
10 10 ...
11 11 ...index.jsp 페이지입니다.
12 12 ...index.jsp 페이지입니다.
13 13 ...</body>
14 14 ...</html>
\..No newline at end of file
```



# Branch 생성

## ❖ user1 branch 생성

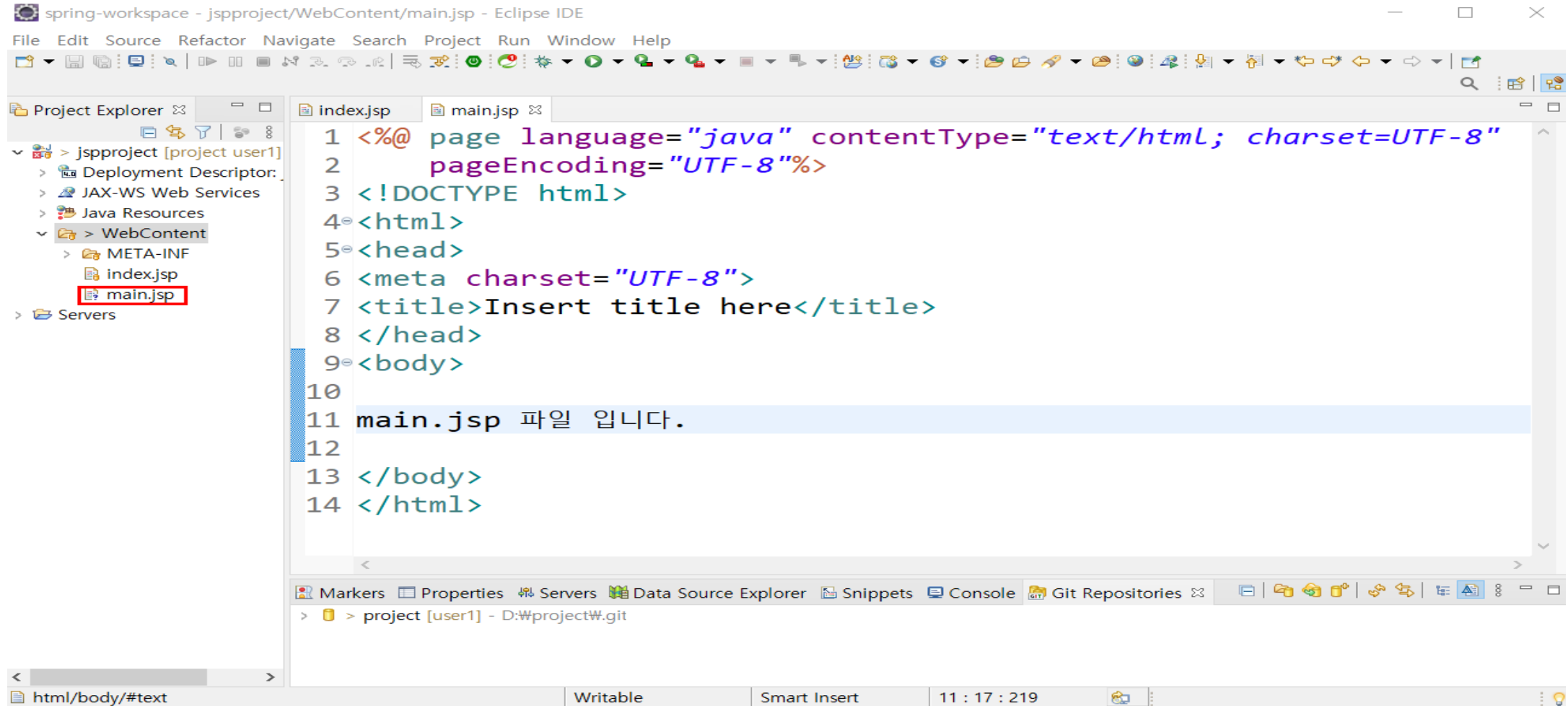


Git GUI Interface showing the 'user1' branch being created. The 'user1' branch is highlighted in the left sidebar. The main window shows a commit history table with columns for commit hash, date, author, and message.

커밋	작성자	날짜	설명
95699cd	hwasuAhn <gidu>	11 10 2021 20:01	index.jsp 추가
296b7f9	hwasuAhn <giduc>	11 10 2021 19:57	index.jsp 추가
4512d19	hwasuAhn <giduc>	11 10 2021 19:44	index.jsp 추가
43fb7f1	hwasuAhn <giduc>	11 10 2021 17:35	index.jsp 파일 추가
8a5f440	hwasuAhn <giduc>	9 10 2021 21:51	jspproject 추가
d3a53bb	hwasuAhn <giduc>	9 10 2021 21:45	index.jsp 추가
c318748	hwasuAhn <giduc>	9 10 2021 21:29	hi

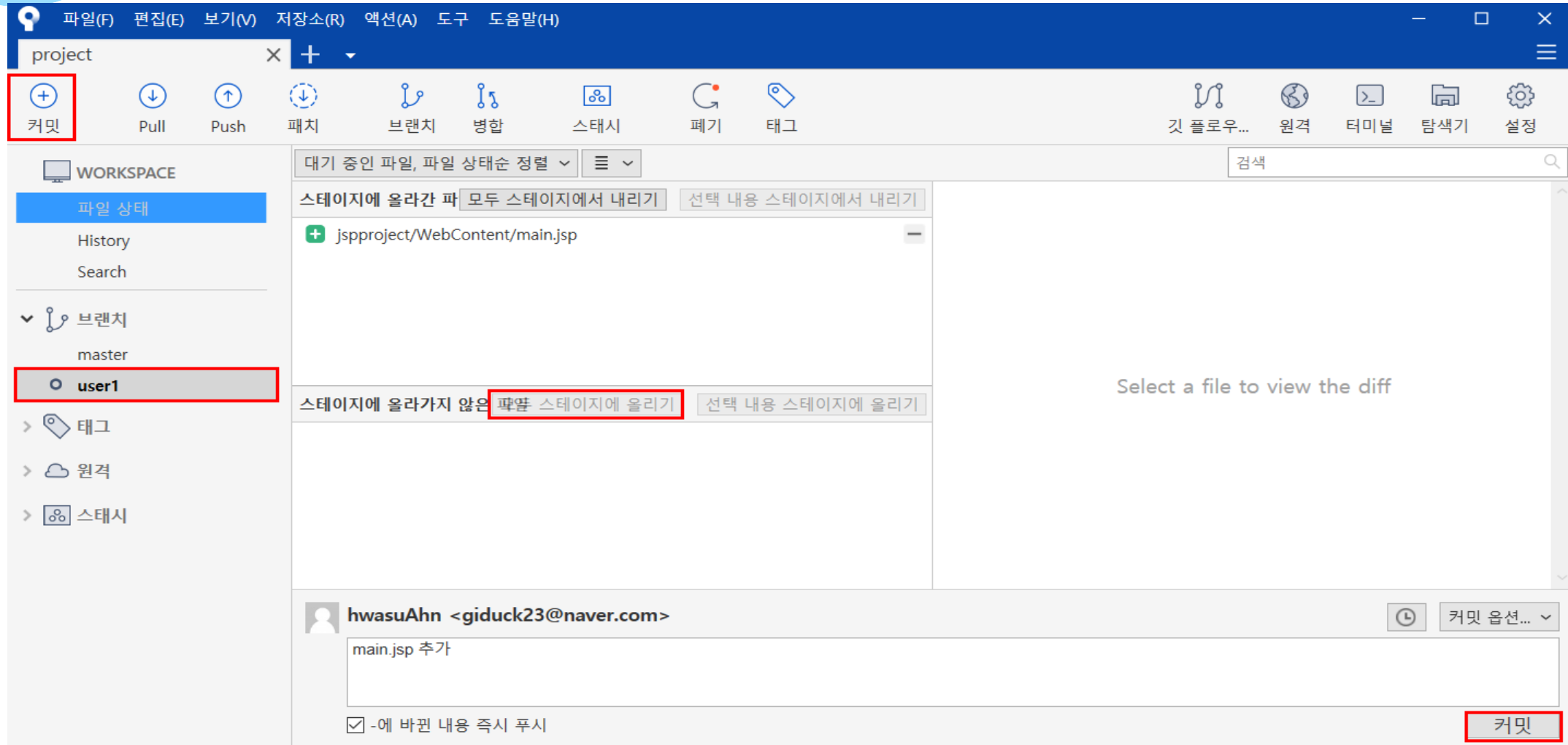
# Eclipse

## ❖ main.jsp 파일 추가



# Commit and push

❖ user1 branch로 commit and push



# Commit and push

- ❖ Github 홈페이지에서 push 결과 확인

The screenshot shows a GitHub repository interface. At the top, a yellow banner indicates that 'user1' had recent pushes less than a minute ago, with a 'Compare & pull request' button. Below this, the repository name 'user1' is highlighted with a red box, along with '2 branches' and '0 tags'. To the right are buttons for 'Go to file', 'Add file', and 'Code'. A 'Switch branches/tags' dropdown menu is open, showing 'master' as the default and 'user1' as the selected branch, also highlighted with a red box. The commit history table shows three entries: a commit '07cd874' from 1 minute ago with 8 commits, and two file additions, 'index.jsp 추가' (3 days ago) and 'main.jsp 추가' (1 minute ago). At the bottom, a light blue banner encourages adding a README, with an 'Add a README' button.

user1 had recent pushes less than a minute ago [Compare & pull request](#)

user1 2 branches 0 tags [Go to file](#) [Add file](#) [Code](#)

Switch branches/tags

Find or create a branch...

Branches Tags

master default

✓ user1 [View all branches](#)




[Contribute](#)

07cd874	1 minute ago	🕒 8 commits
index.jsp 추가		3 days ago
main.jsp 추가		1 minute ago


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# Commit and push


- ❖ Github 홈페이지에서 push 결과 확인


 user1 ▾  2 branches  0 tags

Go to file Add file ▾ Code ▾

This branch is 1 commit ahead of master.  Contribute ▾

 hwasuAhn main.jsp 추가 07cd874 4 minutes ago ⌚ 8 commits

 jsp index.jsp 추가 3 days ago

 jspproject main.jsp 추가 4 minutes ago

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# merge

- ❖ user1 branch를 master branch로 병합
- 1. master로 들어가서 master 탭 옆에 점이 찍혀있는 상태로 만든다. (master브랜치로 checkout 상태)
- 2. user1 탭 우클릭 -> '현재 브랜치로 user1 병합' 클릭

The screenshot shows the IntelliJ IDEA interface with the 'Branches' tool window open. The 'user1' branch is selected, and a context menu is visible with the option '현재 브랜치로 user1 병합' (Merge user1 into current branch). The 'Commit List' tab shows a list of commits, with the top commit being 'main.jsp 추가' by hwasuAhn. The 'File Content' tab shows the content of 'jspproject/WebContent/main.jsp'.

설명	날짜	작성자	커밋
main.jsp 추가	12 10 2021 14:07	hwasuAhn <giduc	07cd874
index.jsp 추가	11 10 2021 20:01	hwasuAhn <gidu	95699cd
index.jsp 추가	11 10 2021 19:57	hwasuAhn <giduc	296b7f9
index.jsp 추가	11 10 2021 19:44	hwasuAhn <giduc	4512d19
index.jsp 파일 추가	11 10 2021 17:35	hwasuAhn <giduc	43fb7f1
jspproject 추가	9 10 2021 21:51	hwasuAhn <giduc	8a5f440
index.jsp 추가	9 10 2021 21:45	hwasuAhn <giduc	d3a53bb
hi	9 10 2021 21:29	hwasuAhn <giduc	c318748

```
1 + <%@ page language="java" contentType="text/html; charset="
2 + ... pageEncoding="UTF-8"%>
3 + <!DOCTYPE html>
4 + <html>
5 + <head>
6 + <meta charset="UTF-8">
7 + <title>Insert title here</title>
8 + </head>
9 + <body>
10 +
11 + main.jsp 파일 입니다.
12 +
13 + </body>
14 + </html>
```

# merge

❖ user1 branch를 master branch로 병합

The screenshot shows the IntelliJ IDEA interface with the 'Merge branch' dialog open. The 'Push' button in the top toolbar is highlighted with a red box. The 'master' branch is selected in the 'Branches' list on the left, also highlighted with a red box. The 'Merge branch' dialog shows a list of commits to be merged, with the top commit being a merge of 'user1' into 'master'. The commit message is 'Merge branch 'user1''. The commit hash is 435b0c3. The commit is attributed to hwasuAhn <giduck23@naver.com> and was created on 2021년 10월 12일 화요일 오후 4:51:19. The commit was made by hwasuAhn.


The 'Commit' section shows the commit hash 435b0c3bd5c93172eacabc639ca3d05aa490c295 [435b0c3]. The commit message is 'Merge branch 'user1''. The commit is attributed to hwasuAhn <giduck23@naver.com> and was created on 2021년 10월 12일 화요일 오후 4:51:19. The commit was made by hwasuAhn.




The 'Files' section shows the file 'jspproject/WebContent/main.jsp' selected. The diff view shows the changes made in the merge, with the main.jsp file being added.


```
9 9 ... <body>
10 10 ...
11 11 ... main.jsp 파일입니다.
12 12 + main.jsp 파일입니다.
13 13 + main.jsp 파일입니다.
12 14 ...
13 15 ... </body>
14 16 ... </html>
14 16 ... No newline at end of file
```



# merge

- ❖ user1 branch를 master branch로 병합후 push 결과 확인

 user1 had recent pushes 1 minute ago [Compare & pull request](#)

 master ▾  2 branches  0 tags [Go to file](#) [Add file ▾](#) [Code ▾](#)

 hwasuAhn main.jsp 파일 수정 f2033b7 1 minute ago ⌚ 12 commits

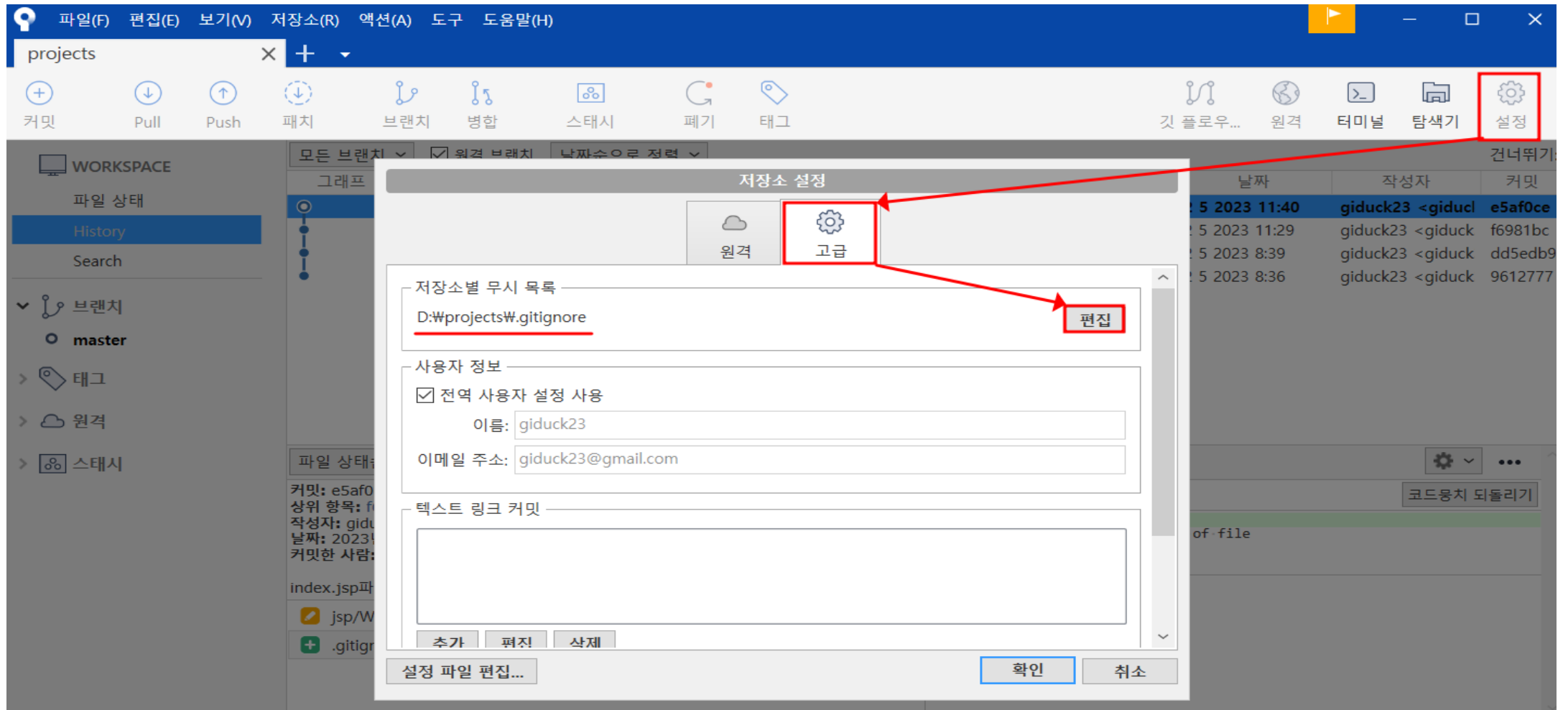
 jsp	index.jsp 추가	3 days ago
 jspproject	main.jsp 파일 수정	1 minute ago

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# ignore 등록

❖ push 하지 않을 파일은 ignore에 등록



# ignore 등록

- ❖ push 하지 않을 파일은 ignore에 등록

d:\project\gitignore

root-context.xml

application.properties