

1. Create a new git repository and make the first Commit

Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository.](#)

Required fields are marked with an asterisk ().*


Repository template

No template ▾

Start your repository with a template repository's contents.

Owner *

Repository name *

 Nithin910 ▾

 /

Task23-12-24

✔ Task23-12-24 is available.

```
talluri nithin@nithin MINGW64 ~/OneDrive/Desktop/UST (master)
$ git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    Assignment-01.pdf
    Assignment-02.pdf
    Assignment-03.pdf
    Gitfile
    SDLC-01.pdf
    SDLC-02.pdf
    SDLC-04.pdf
    SDLC-05.pdf
    SDLC-06.pdf
    SDLC-07.pdf
    SDLC-08.pdf
    SDLC-09.pdf

nothing added to commit but untracked files present (use "git add" to track)

talluri nithin@nithin MINGW64 ~/OneDrive/Desktop/UST (master)
$ git add Gitfile
warning: in the working copy of 'Gitfile', LF will be replaced by CRLF the next time Git touches it

talluri nithin@nithin MINGW64 ~/OneDrive/Desktop/UST (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:   Gitfile

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    Assignment-01.pdf
    Assignment-02.pdf
    Assignment-03.pdf
    SDLC-01.pdf
    SDLC-02.pdf
    SDLC-04.pdf
    SDLC-05.pdf
    SDLC-06.pdf
    SDLC-07.pdf
    SDLC-08.pdf
    SDLC-09.pdf

talluri nithin@nithin MINGW64 ~/OneDrive/Desktop/UST (master)
$ git commit -m "My first Commit"
[master (root-commit) 8b438cb] My first Commit
 1 file changed, 2 insertions(+)
 create mode 100644 Gitfile

talluri nithin@nithin MINGW64 ~/OneDrive/Desktop/UST (master)
$ |
```

3. Clone an existing repository from a remote source to your local machine

```
talluri nithin@nithin MINGW64 ~/OneDrive/Desktop/UST (main)
$ git clone https://github.com/Nithin910/swift-ffmpeg-player.git
Cloning into 'swift-ffmpeg-player'...
remote: Enumerating objects: 5814, done.
remote: Counting objects: 100% (1367/1367), done.
remote: Compressing objects: 100% (538/538), done.
remote: Total 5814 (delta 736), reused 1363 (delta 732), pack-reused 4447 (from 1)
Receiving objects: 100% (5814/5814), 95.32 MiB | 1.16 MiB/s, done.
Resolving deltas: 100% (2604/2604), done.
```

4. Fork a repository on GitHub, make changes, and submit a pull request.

The screenshot shows the GitHub 'Comparing changes' interface. At the top, it says 'Comparing changes' and provides a link to 'Learn about pull requests'. Below this, there are dropdown menus for 'base repository: kartik-venugopal/swift-ffmpeg...', 'base: master', 'head repository: Nithin910/swift-ffmpeg-player', and 'compare: master'. A green checkmark indicates 'Able to merge. These branches can be automatically merged.' Below this, there is a 'Create pull request' button. The interface also shows '1 commit', '1 file changed', and '1 contributor'. A section titled 'Commits on Dec 24, 2024' shows a commit by 'Nithin910' with the message 'Create new file'. Below this, it says 'Showing 1 changed file with 1 addition and 0 deletions.' and shows a diff for a new file named 'new file' with the content 'hey hai welcome to my git'.

5. Perform a basic merge operation, resolving any conflicts that arise.

```
talluri nithin@nithin MINGW64 ~/OneDrive/Desktop/UST (master)
$ git checkout main
Switched to branch 'main'
D      Gitfile

talluri nithin@nithin MINGW64 ~/OneDrive/Desktop/UST (main)
$ git pull origin main
From https://github.com/Nithin910/UST
* branch          main      -> FETCH_HEAD
fatal: refusing to merge unrelated histories

talluri nithin@nithin MINGW64 ~/OneDrive/Desktop/UST (main)
$ git merge master
Already up to date.

talluri nithin@nithin MINGW64 ~/OneDrive/Desktop/UST (main)
$
```