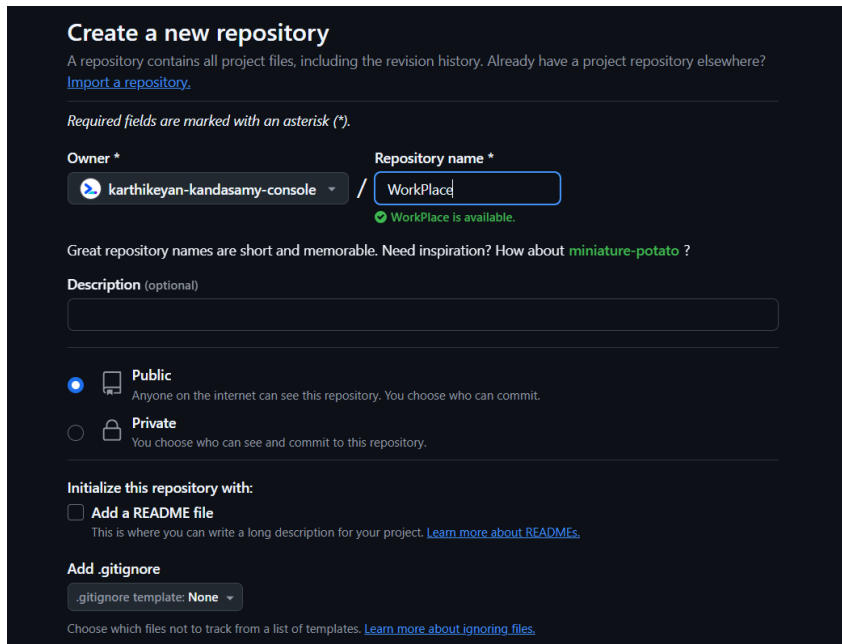


# Git & GitHub

## 1. Create New Remote Repository

Set up a new repository on a hosting platform like GitHub




The screenshot shows the GitHub 'Create a new repository' interface. At the top, it says 'Create a new repository' and provides a brief explanation of what a repository is. Below this, there's a note about required fields. The 'Owner' dropdown is set to 'karthikeyan-kandasamy-console'. The 'Repository name' field contains 'WorkPlace' and has a green checkmark indicating it's available. There's a suggestion for 'miniature-potato'. The 'Description' field is empty. Under 'Visibility', 'Public' is selected. In the 'Initialize this repository with' section, 'Add a README file' is checked. The '.gitignore' template is set to 'None'.

**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 (\*).


Owner \* / Repository name \*


 karthikeyan-kandasamy-console / WorkPlace

WorkPlace is available.

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

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:

☒ **Add a README file**  
This is where you can write a long description for your project. [Learn more about READMEs.](#)

Add .gitignore

.gitignore template: **None**

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

## 2. Configure Git in Local Machine

Install Git and configure your name and email on the local machine using `git`

config.

```
MINGW64~/c/Users/karthik.kandasamy

karthik.kandasamy@ASPLAP2506 MINGW64 ~
$ git config --global user.name
Karthikeyan K

karthik.kandasamy@ASPLAP2506 MINGW64 ~
$ git config --global user.email
karthik.kandasamy110602@gmail.com

karthik.kandasamy@ASPLAP2506 MINGW64 ~
$ |
```

### 3. Use Git Init to Initialize Local Repo and View changes using **Git status**

Initialize a new Git repository in your project folder and track changes with `git status`.

```
karthik.kandasamy@ASPLAP2506 MINGW64 ~/Workspace (master)
• $ git status
On branch master
Your branch is up to date with 'origin/master'.

Changes not staged for commit:
  (use "git add/rm <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   .vscode/settings.json
        modified:   Java/bin/com/incvo/App/App.class
        deleted:    Java/bin/com/incvo/Bank.class
        deleted:    Java/src/com/incvo/Bank.java

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        PLSQL/Functions.sql
        PLSQL/Procedure.sql
        PLSQL/Trigger.sql
        SQL/View.sql

no changes added to commit (use "git add" and/or "git commit -a")
```

### 4. Add, Commit and Push the Code to Remote Repository

Stage changes with `git add`, commit with `git commit`, and push to the remote repository with `git push`.

```
karthik.kandasamy@ASPLAP2506 MINGW64 ~/Workspace (master)
● $ git add .

karthik.kandasamy@ASPLAP2506 MINGW64 ~/Workspace (master)
● $ git commit -m "[Feat]: PLSQL Update"
[master e93b00f] [Feat]: PLSQL Update
 8 files changed, 2 insertions(+), 8 deletions(-)
 delete mode 100644 Java/bin/com/incvo/Bank.class
 delete mode 100644 Java/src/com/incvo/Bank.java
 create mode 100644 PLSQL/Functions.sql
 create mode 100644 PLSQL/Procedure.sql
 create mode 100644 PLSQL/Trigger.sql
 create mode 100644 SQL/View.sql

karthik.kandasamy@ASPLAP2506 MINGW64 ~/Workspace (master)
● $ git pull
Already up to date.

karthik.kandasamy@ASPLAP2506 MINGW64 ~/Workspace (master)
● $ git push
Enumerating objects: 30, done.
Counting objects: 100% (30/30), done.
Delta compression using up to 4 threads
Compressing objects: 100% (11/11), done.
Writing objects: 100% (16/16), 1.64 KiB | 335.00 KiB/s, done.
Total 16 (delta 4), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (4/4), completed with 4 local objects.
To https://github.com/karthikeyan-kandasamy-console/Workspace
 7e9883a..e93b00f master -> master
```