

## 1. Creating a online Github repository

The screenshot shows the GitHub web interface for a new repository named 'se-exp-11' under the user 'ceekay32'. The navigation bar at the top includes links for Code, Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings. The main content area provides several options for setting up the repository:

- Quick setup — if you've done this kind of thing before**: Offers a 'Set up in Desktop' button, an 'or' separator, and 'HTTPS' and 'SSH' options. The HTTPS URL is 'https://github.com/ceekay32/se-exp-11.git'. A note below states: 'Get started by creating a new file or uploading an existing file. We recommend every repository include a README, LICENSE, and .gitignore.'
- ...or create a new repository on the command line**: Provides a code block with the following commands:

```
echo "# se-exp-11" >> README.md
git init
git add README.md
git commit -m "first commit"
git branch -M main
git remote add origin https://github.com/ceekay32/se-exp-11.git
git push -u origin main
```
- ...or push an existing repository from the command line**: Provides a code block with the following commands:

```
git remote add origin https://github.com/ceekay32/se-exp-11.git
git branch -M main
git push -u origin main
```
- ...or import code from another repository**: Includes a note: 'You can initialize this repository with code from a Subversion, Mercurial, or TFS project.' and an 'Import code' button.

## 2.git --help commands

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Microsoft Windows [Version 10.0.19042.1288]  
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E:\SE>git --help

usage: git [--version] [--help] [-C <path>] [-c <name>=<value>]  
 [--exec-path[=<path>]] [--html-path] [--man-path] [--info-path]  
 [-p | --paginate | -P | --no-pager] [--no-replace-objects] [--bare]  
 [--git-dir=<path>] [--work-tree=<path>] [--namespace=<name>]  
 [--super-prefix=<path>] [--config-env=<name>=<envvar>]  
 <command> [<args>]

These are common Git commands used in various situations:

start a working area (see also: git help tutorial)

clone	Clone a repository into a new directory
init	Create an empty Git repository or reinitialize an existing one

work on the current change (see also: git help everyday)

add	Add file contents to the index
mv	Move or rename a file, a directory, or a symlink
restore	Restore working tree files
rm	Remove files from the working tree and from the index
sparse-checkout	Initialize and modify the sparse-checkout

examine the history and state (see also: git help revisions)

bisect	Use binary search to find the commit that introduced a bug
diff	Show changes between commits, commit and working tree, etc
grep	Print lines matching a pattern
log	Show commit logs
show	Show various types of objects
status	Show the working tree status

grow, mark and tweak your common history

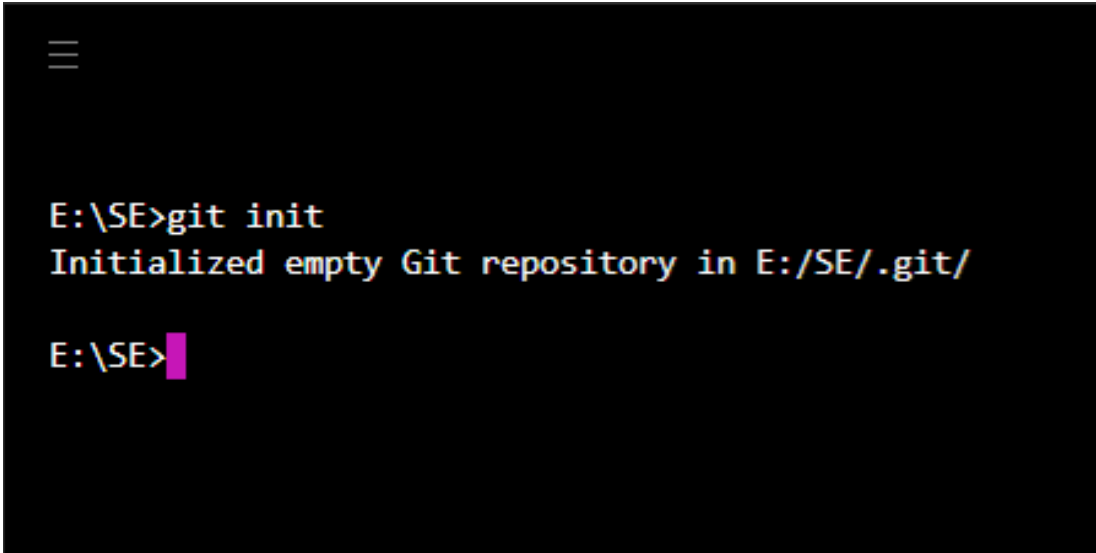
branch	List, create, or delete branches
commit	Record changes to the repository
merge	Join two or more development histories together
rebase	Reapply commits on top of another base tip
reset	Reset current HEAD to the specified state
switch	Switch branches
tag	Create, list, delete or verify a tag object signed with GPG

collaborate (see also: git help workflows)

fetch	Download objects and refs from another repository
pull	Fetch from and integrate with another repository or a local branch
push	Update remote refs along with associated objects

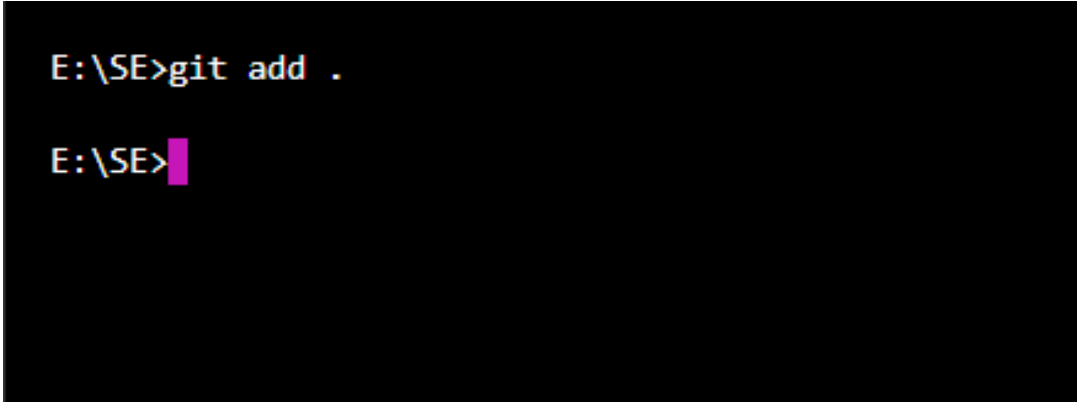
'git help -a' and 'git help -g' list available subcommands and some  
concept guides. See 'git help <command>' or 'git help <concept>'  
to read about a specific subcommand or concept.  
See 'git help git' for an overview of the system.

### 3. Initializing a local git repository

A terminal window with a black background and white text. In the top left corner, there is a hamburger menu icon consisting of three horizontal lines. The terminal shows the command 'git init' being executed from the directory 'E:\SE'. The output is 'Initialized empty Git repository in E:/SE/.git/'. The prompt 'E:\SE>' is followed by a red cursor.

```
E:\SE>git init  
Initialized empty Git repository in E:/SE/.git/  
  
E:\SE>
```

### 4. Adding items for staging

A terminal window with a black background and white text. The terminal shows the command 'git add .' being executed from the directory 'E:\SE'. The prompt 'E:\SE>' is followed by a red cursor.

```
E:\SE>git add .  
  
E:\SE>
```

## 5. Committing the changes

```
E:\SE>git commit -m "first commit"
[master (root-commit) 6ec7e8c] first commit
12 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 1902076_SE_Exp1.pdf
create mode 100644 1902076_SE_WrittenAssgn1.pdf
create mode 100644 1902076_SE_WrittenAssgn2.pdf
create mode 100644 1902076_SE_exp10.pdf
create mode 100644 1902076_SE_exp2.pdf
create mode 100644 1902076_SE_exp3.pdf
create mode 100644 1902076_SE_exp4.pdf
create mode 100644 1902076_SE_exp5.pdf
create mode 100644 1902076_SE_exp6.pdf
create mode 100644 1902076_SE_exp7.pdf
create mode 100644 1902076_SE_exp8.pdf
create mode 100644 1902076_SE_exp9.pdf
```

## 6. Adding the local work to online repository

```
E:\SE>git branch -M main

E:\SE>git remote add origin https://github.com/ceekay32/se-exp-11.git

E:\SE>git push -u origin main
Enumerating objects: 14, done.
Counting objects: 100% (14/14), done.
Delta compression using up to 8 threads
Compressing objects: 100% (14/14), done.
Writing objects: 100% (14/14), 6.95 MiB | 1.58 MiB/s, done.
Total 14 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/ceekay32/se-exp-11.git
 * [new branch]      main -> main
Branch 'main' set up to track remote branch 'main' from 'origin'.

E:\SE>
```

## 7.Changes are seen on Github

main

1 branch

0 tags

Go to file

Add file

Code

ceekay32 first commit

6ec7e8c 2 minutes ago 1 commit

1902076_SE_Exp1.pdf	first commit	2 minutes ago
1902076_SE_WrittenAssgn1.pdf	first commit	2 minutes ago
1902076_SE_WrittenAssgn2.pdf	first commit	2 minutes ago
1902076_SE_exp10.pdf	first commit	2 minutes ago
1902076_SE_exp2.pdf	first commit	2 minutes ago
1902076_SE_exp3.pdf	first commit	2 minutes ago
1902076_SE_exp4.pdf	first commit	2 minutes ago
1902076_SE_exp5.pdf	first commit	2 minutes ago
1902076_SE_exp6.pdf	first commit	2 minutes ago
1902076_SE_exp7.pdf	first commit	2 minutes ago
1902076_SE_exp8.pdf	first commit	2 minutes ago
1902076_SE_exp9.pdf	first commit	2 minutes ago