Accessing a Repository Remotely with git Protocol (Lab)

Create a repository and populate it; you can use a solution for a previous session to do this. To make a proper remote repository, first clone it on your local machine using the **--bare** option, as in:

```
1

$ git clone --bare <pathto>/git-test /tmp/my-remote-git-repo
```

To make it accessible through the **git://** protocol, you will have to create the **git-daemon-export-ok** file in the main project directory or in the **.git** subdirectory, and start the **git-daemon** process. If you do:

```
1

$ git daemon
```

someone can clone your repository by doing:

```
1

$ git clone git://ipaddress/tmp/my-remote-git-repo
```

substituting a correct value for **ipaddress** and giving a full path.

More conveniently, you can specify a **root**, or base, directory for the repositories by doing:

```
1

$ git daemon --base-path=/tmp
```

and then someone can clone your repository by doing:

```
1

$ git clone git://ipaddress/my-remote-git-repo
```

Note that you do not have to be a superuser to run **git-daemon** and you will probably want to run it in background, or figure out how to get it to run as a service on boot.

You might try and see what happens if you either leave out the step of starting the daemon, or creating the **git-daemon-export-ok** file.

If you happen to have a partner on another machine, or are running two machines, try to clone each other's repositories using this method.