Bandit Level 31 - Level 32

Same thing as before, lets create temp directory, clone the repository and check the contents.

```
bandit31@bandit:~$ mktemp -d
/tmp/tmp.kxvvjlKzbt
bandit31@bandit:~$ cd /tmp/tmp.kxvvjlKzbt
bandit31@bandit:/tmp/tmp.kxvvjlKzbt$ git clone ssh://bandit31-
git@localhost:2220/home/bandit31-git/repo
Cloning into 'repo'...
bandit31@bandit:/tmp/tmp.kxvvjlKzbt$ ls
repo
bandit31@bandit:/tmp/tmp.kxvvjlKzbt$ cd repo
andit31@bandit:/tmp/tmp.kxvvjlKzbt/repo$ ls
README.md
bandit31@bandit:/tmp/tmp.kxvvjlKzbt/repo$ cat README.md
This time your task is to push a file to the remote repository.

Details:
    File name: key.txt
    Content: 'May I come in?'
    Branch: master
```

Looks like we need to push a file to the remote depository. Lets start by creating the key.txt file, with the 'May I come in?' text.

```
bandit31@bandit:/tmp/tmp.kxvvjlKzbt/repo$ echo May I come in? > key.txt
bandit31@bandit:/tmp/tmp.kxvvjlKzbt/repo$ ls
key.txt  README.md
```

However its not as simply as uploading the text file, as we have something called gitignore, if we cat that to the screen.

```
bandit31@bandit:/tmp/tmp.kxvvjlKzbt/repo$ cat .gitignore
*.txt
```

It basically will ignore all text files that is pushed to it! If we try to add it, this happens.

```
bandit31@bandit:/tmp/tmp.kxvvjlKzbt/repo$ git add key.txt
The following paths are ignored by one of your .gitignore files:
key.txt
hint: Use -f if you really want to add them.
hint: Turn this message off by running
hint: "git config advice.addIgnoredFile false"
```

We can force the push by adding the -f flag.

```
bandit31@bandit:/tmp/tmp.kxvvjlKzbt/repo$ git add key.txt -f
```

We can then use git commit, to add a comment. The commit is like a save point in time of the file, so we can resort back to that state if required.

```
bandit31@bandit:/tmp/tmp.kxvvjlKzbt/repo$ git commit
Unable to create directory /home/bandit31/.local/share/nano/: No such file
or directory
It is required for saving/loading search history or cursor positions.

[master 06f948c] Added to the file
 1 file changed, 1 insertion(+)
 create mode 100644 key.txt
```

Now lets push the file to the repository.

```
bandit31@bandit:/tmp/tmp.kxvvjlKzbt/repo$ git push
The authenticity of host '[localhost]:2220 ([127.0.0.1]:2220)' can't be
established.
ED25519 key fingerprint is
SHA256:C2ihUBV7ihnV1wUXRb4RrEcLfXC5CXlhmAAM/urerLY.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Could not create directory '/home/bandit31/.ssh' (Permission denied).
Failed to add the host to the list of known hosts
(/home/bandit31/.ssh/known_hosts).

bandit31-git@localhost's password:
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
```

```
Delta compression using up to 2 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 325 bytes | 325.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote: ### Attempting to validate files... ####
remote:
remote: .oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.
remote:
remote: Well done! Here is the password for the next level:
remote: 3O9RfhqyAlVBEZpVb6LYStshZoqoSx5K
remote:
remote: .oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.
remote:
To ssh://localhost:2220/home/bandit31-git/repo
 ! [remote rejected] master -> master (pre-receive hook declined)
error: failed to push some refs to 'ssh://localhost:2220/home/bandit31-
git/repo'
```