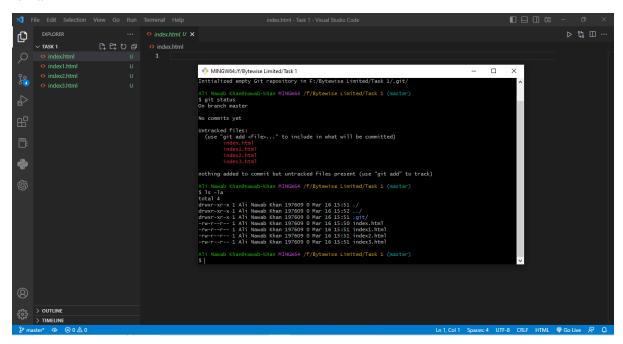
GIT

git init

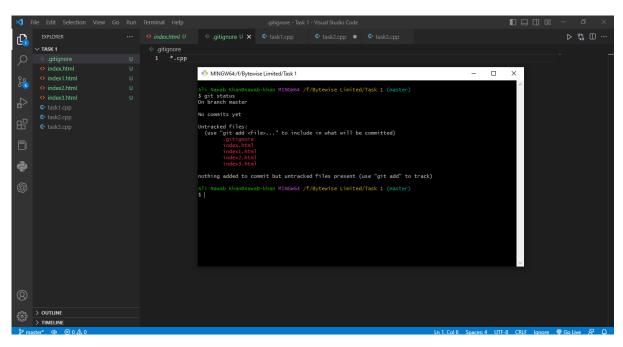
git status (shows details about the file, whether the file is tracked or untracked, modified and commit etc)

ls -la

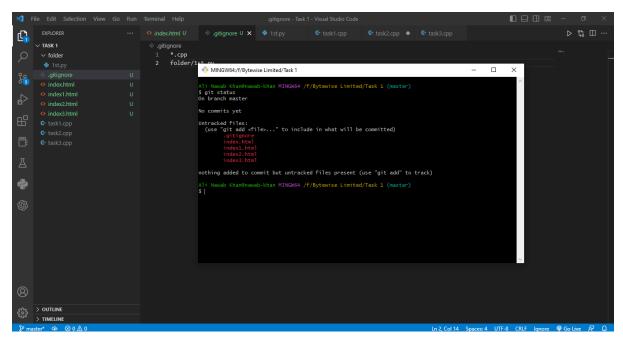


.gitignore:

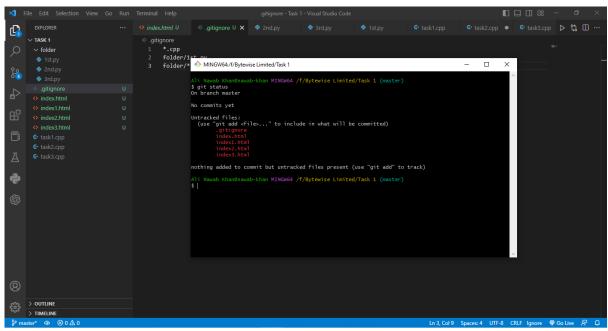
*.cpp. this will ignore all the files starting with .cpp extension. Whether it is in the folder or not.



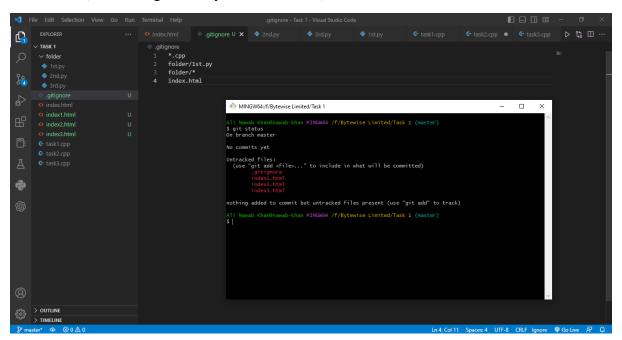
Folder/1st.py (this will ignore the file present in the folder)



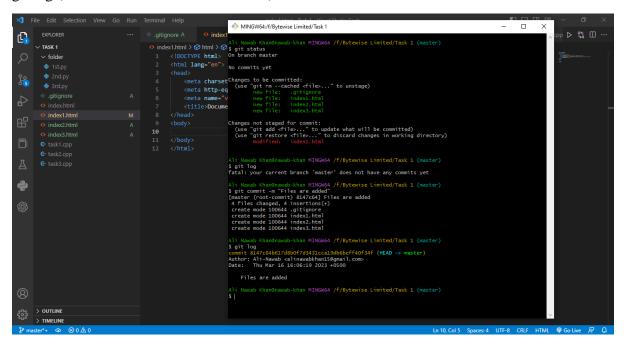
Folder/* (this will ignore all the files present in the folder).

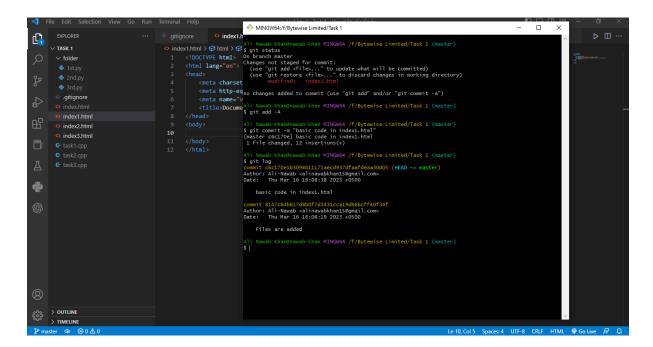


Index.html (this will ignore only index.html file)



git add -A (this will add files to staged)
git commit -m "html files are added"
git log (shows total number of commits)





git log -p (this will gives you more information about each commit).

```
MINGW64:/f/Bytewise Limited/Task 1
                                                                                                                                    ×
 Ali Nawab Khan@nawab-khan MINGW64 /f/Bytewise Limited/Task 1 (master)
$ git log -p
commit c6c170e1b3094b11171aecd937dfaafdeaa30d05 (HEAD -> master)
Author: Ali-Nawab <alinawabkhan15@gmail.com>
Date: Thu Mar 16 16:08:38 2023 +0500
     basic code in index1.html
diff --git a/index1.html b/index1.html
index e69de29..56efbdb 100644
 -- a/index1.html
 ++ b/index1.html
 <!DOCTYPE html>
<html lang="en">
       <meta charset="UTF-8">
      <meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
  No newline at end of file
commit 8147c64b617d8b0f7d3431cca19db6bcff40f34f
Author: Ali-Nawab <alinawabkhan15@gmail.com>
Date: Thu Mar 16 16:06:19 2023 +0500
     Files are added
diff --git a/.gitignore b/.gitignore
new file mode 100644
index 0000000..ac40095
  -- /dev/null
 ++ b/.gitignore
  No newline at end of file
diff --git a/index1.html b/index1.html
```

Branching and Merging:

```
ub-khan MINGW64 /f/Bytewise Limited/Task 1 (master)
$ git branch feature1
     Nawab Khan@nawab-khan MINGW64 /f/Bytewise Limited/Task 1 (master)
$ git branch -v
feature1 c6c170e basic code in index1.html
* master c6c170e basic code in index1.html
                         ab-khan MINGW64 /f/Bytewise Limited/Task 1 (master)
$ git checkout feature1
Switched to branch 'feature1'
$ git branch -v
  feature1 c6c170e basic code in index1.html
master c6c170e basic code in index1.html
 Ali Nawab Khan@nawab-khan MINGW64 /f/Bytewise Limited/Task 1 (feature1)
$ touch value.html
 Ali Nawab Khan@nawab-khan MINGW64 /f/Bytewise Limited/Task 1 (feature1)
§ git status
on branch feature1
Untracked files:
(use "git add <file>..." to include in what will be committed)
nothing added to commit but untracked files present (use "git add" to track)
 Ali Nawab Khan@nawab-khan MINGW64 /f/Bytewise Limited/Task 1 (feature1)
$ git add -A
 Ali Nawab Khan@nawab-khan MINGW64 /f/Bytewise Limited/Task 1 (feature1)
If named Khamehawab-Kham Mikumwa / 1

§ git commit -m "value.html added"

[feature1 33c859d] value.html added

1 file changed, 1 insertion(+)

create mode 100644 value.html
```

git branch feature 1, git branch -v

```
(han@nawab-khan MINGW64 /f/Bytewise Limited/Task 1 (feature1)
$ git status
On branch feature1
nothing to commit, working tree clean
 li Nawab Khan@nawab-khan MINGW64 /f/Bytewise Limited/Task 1 (feature1)
$ git checkout master
Switched to branch 'master'
Ali Nawab Khan@nawab-khan MINGW64 /f/Bytewise Limited/Task 1 (master)
$ 1s
folder/ index.html index1.html index2.html index3.html task1.cpp task2.cpp task3.cpp
Ali Nawab Khan@nawab-khan MINGW64 /f/Bytewise Limited/Task 1 (master)
$ git merge feature1
Updating c6c170e..33c859d
ast-forward
value.html | 1
1 file changed, 1 insertion(+)
create mode 100644 value.html
Ali Nawab Khan@nawab-khan MINGW64 /f/Bytewise Limited/Task 1 (master)
folder/ index1.html index3.html task2.cpp value.html index.html index2.html task1.cpp task3.cpp
Ali Nawab Khan@nawab-khan MINGW64 /f/Bytewise Limited/Task 1 (master)
```

STASH(temporary remove the material and then you can easily restore it).

```
git stash
git stash list
git stash pop
git stash apply <name>
```

```
Ali Nawab Khandhawab-khan MINGW64 /f/Bytewise Limited/Task 1 (master)

$ git status

On branch master

Changes not staged for commit:
(use "git add dfile..." to update what will be committed)
(use "git restore dfile..." to discard changes in working directory)
modified: index_html

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

Ali Nawab Khandhawab-khan MINGW64 /f/Bytewise Limited/Task 1 (master)

$ git stash
Saved working directory and index state WIP on master: 33c859d value.html added

Ali Nawab Khandhawab-khan MINGW64 /f/Bytewise Limited/Task 1 (master)

$ git status

On branch master

Changes not staged for commit:
(use "git add offile..." to update what will be committed)
(use "git restore offile..." to discard changes in working directory)
modified: index_html

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

Ali Nawab Khandhawab-khan MINGW64 /f/Bytewise Limited/Task 1 (master)

$ git stash

Ali Nawab Khandhawab-khan MINGW64 /f/Bytewise Limited/Task 1 (master)

$ git stash

Ali Nawab Khandhawab-khan MINGW64 /f/Bytewise Limited/Task 1 (master)

$ git stash

Ali Nawab Khandhawab-khan MINGW64 /f/Bytewise Limited/Task 1 (master)

$ git stash

Ali Nawab Khandhawab-khan MINGW64 /f/Bytewise Limited/Task 1 (master)

$ git stash

Ali Nawab Khandhawab-khan MINGW64 /f/Bytewise Limited/Task 1 (master)

$ git stash

Ali Nawab Khandhawab-khan MINGW64 /f/Bytewise Limited/Task 1 (master)

$ git stash pop

On branch master

Changes not staged for commit:

(use "git restore ofile»..." to update what will be committed)

(use "git restore ofile»..." to discard changes in working directory)

modified: index_html

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

Dropped refs/stash@(0) (f6552e91851ba765703540a0330dea070dced2f)
```