

Configuring Git

- The `git config` command is a convenience function that is used to set Git configuration values on a global or local project level. These configuration levels correspond to `.gitconfig` text files. Executing `git config` will modify a configuration text file.
- There are 3 levels in which git configuration can be applied as listed below:
 1. System: Apply to all users of the current computer. `--system` flag is used with `git config` command.
 2. Global: apply to all repositories of current user. `--global` flag is used with `git config` command.
 3. Local: apply to the current repository. `--local` flag is used with `git config` command. By default local flag is applied.

Common git config commands:-

- `git config --global user.name "github user name"`
- `git config --global user.email "github user email address"`
- `git config --global --edit` : to open git config file
- `git config --global core.editor "code --wait"` : to set vs code as default editor for git.
- `git config --global merge.tool "code --wait"` : in case of merge conflict git uses vs code as merge tool.
- `git config --list` : to list all git config settings.

Color highlighting git config commands:-

- `git config --global color.ui true` : it applies color code output for git commands.
- `color.branch`: configures the output color for branch command.
- `color.diff`: configures the output color for branch command.
- `color.status`: a boolean value that enables or disables color output for git status command.
- `color.interactive`: this applies color for interactive prompts of commands.

```
smit@sf-cpu-456: ~/Desktop/git_practical
smit@sf-cpu-456:~/Desktop/git_practical$ git config --local user.name "Smit202"
smit@sf-cpu-456:~/Desktop/git_practical$ git config --local user.email "smit.sheth@simformsolutions.com"
smit@sf-cpu-456:~/Desktop/git_practical$ git config --local core.editor "code --wait"
smit@sf-cpu-456:~/Desktop/git_practical$ git config --global color.ui true
smit@sf-cpu-456:~/Desktop/git_practical$ git config --global color.branch auto
smit@sf-cpu-456:~/Desktop/git_practical$ git config --global color.status auto
smit@sf-cpu-456:~/Desktop/git_practical$ git config --list
user.email=smitsheth1992002@gmail.com
user.name=smit199
credential.helper=store
core.editor=code --wait
core.autocrlf=input
color.ui=true
color.branch=auto
color.status=auto
core.repositoryformatversion=0
core.filemode=true
core.bare=false
core.logallrefupdates=true
core.editor=code --wait
user.name=Smit202
user.email=smit.sheth@simformsolutions.com
smit@sf-cpu-456:~/Desktop/git_practical$
```