KR MANGALAM UNIVERSITY

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CSFCP ASSIGNMENT-4

Title: Build & Document a Mini Project Using GitHub and VS Code

Screenshots of commands

Submitted to: Mr. Aryan Sharma

Git init , echo , mkdir, git add , git commit COMMANDS

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL    PORTS
PS C:\Users\rashi\OneDrive\Documents\Assignment-4 CSFCP> git init
Reinitialized existing Git repository in C:/Users/rashi/OneDrive/Documents/Assignment-4 CSFCP/.git/
PS C:\Users\rashi\OneDrive\Documents\Assignment-4 CSFCP> echo "Mini-Project" > Readme.md
PS C:\Users\rashi\OneDrive\Documents\Assignment-4 CSFCP> mkdir docs


    Directory: C:\Users\rashi\OneDrive\Documents\Assignment-4 CSFCP


Mode                 LastWriteTime         Length Name
----                 -------------         ------ ----
d-----         22-11-2025     22:36                docs


PS C:\Users\rashi\OneDrive\Documents\Assignment-4 CSFCP> git add main.py
PS C:\Users\rashi\OneDrive\Documents\Assignment-4 CSFCP> git commit -m "Added basic number guessing logic"
[master (root-commit) b6ed86d] Added basic number guessing logic
 1 file changed, 13 insertions(+)
 create mode 100644 main.py
```

Added main.py (calculator file)

```
PS C:\Users\rashi\OneDrive\Documents\Assignment-4 CSFCP> git add main.py
PS C:\Users\rashi\OneDrive\Documents\Assignment-4 CSFCP> git commit -m "Added input validation to prevent non-numeric input crash"
[master c0e6ba1] Added input validation to prevent non-numeric input crash
 1 file changed, 16 insertions(+), 2 deletions(-)
PS C:\Users\rashi\OneDrive\Documents\Assignment-4 CSFCP>
```

Commits in calculator

```
PS C:\Users\rashi\OneDrive\Documents\Assignment-4 CSFCP> git add main.py
PS C:\Users\rashi\OneDrive\Documents\Assignment-4 CSFCP> git commit -m "Added operator validation to handle invalid operator input"
[master dd3c58e] Added operator validation to handle invalid operator input
 1 file changed, 3 insertions(+), 2 deletions(-)
PS C:\Users\rashi\OneDrive\Documents\Assignment-4 CSFCP> git add main.py
PS C:\Users\rashi\OneDrive\Documents\Assignment-4 CSFCP> git commit -m "Improved output formatting and result display"
[master 9cd97c8] Improved output formatting and result display
 1 file changed, 6 insertions(+), 4 deletions(-)
PS C:\Users\rashi\OneDrive\Documents\Assignment-4 CSFCP> git add main.py
PS C:\Users\rashi\OneDrive\Documents\Assignment-4 CSFCP> git commit -m "Added loop to allow multiple calculations in one run"
[master 46d03e6] Added loop to allow multiple calculations in one run
 1 file changed, 7 insertions(+), 1 deletion(-)
PS C:\Users\rashi\OneDrive\Documents\Assignment-4 CSFCP>
```

Git ignore

```
Total packspec "gitignore" did not match any files
PS C:\Users\rashi\OneDrive\Documents\Assignment-4 CSFCP> git add .gitignore
PS C:\Users\rashi\OneDrive\Documents\Assignment-4 CSFCP> git commit -m "Added .gitignore file to ignore unwanted files"
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        Readme.md

nothing added to commit but untracked files present (use "git add" to track)
PS C:\Users\rashi\OneDrive\Documents\Assignment-4 CSFCP> ^C
PS C:\Users\rashi\OneDrive\Documents\Assignment-4 CSFCP>
PS C:\Users\rashi\OneDrive\Documents\Assignment-4 CSFCP> git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        Readme.md

nothing added to commit but untracked files present (use "git add" to track)
PS C:\Users\rashi\OneDrive\Documents\Assignment-4 CSFCP> git add Readme.md
>> git commit -m "Added README file"
[master a4002fa] Added README file
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 Readme.md
PS C:\Users\rashi\OneDrive\Documents\Assignment-4 CSFCP>
```

Added files in docs folder

```
PS C:\Users\rashi\OneDrive\Documents\Assignment-4 CSFCP> git add docs/
PS C:\Users\rashi\OneDrive\Documents\Assignment-4 CSFCP> git commit -m "Added overview, development, and future improvements"
[master 361d4b7] Added overview, development, and future improvements
 3 files changed, 64 insertions(+)
 create mode 100644 docs/development.md
 create mode 100644 docs/future_improvements.md
 create mode 100644 docs/overview.md
PS C:\Users\rashi\OneDrive\Documents\Assignment-4 CSFCP> git add Readme.md
PS C:\Users\rashi\OneDrive\Documents\Assignment-4 CSFCP> git commit -m "Added complete README content"
[master 040b05b] Added complete README content
 1 file changed, 0 insertions(+), 0 deletions(-)
```

Push all the content on github

```
PS C:\Users\rashi\OneDrive\Documents\Assignment-4 CSFCP> git add .
PS C:\Users\rashi\OneDrive\Documents\Assignment-4 CSFCP> git remote add https://github.com/Rashi-create-code/CSFCP-Assignment-4.git
usage: git remote add [<options>] <name> <url>

    -f, --[no-]fetch        fetch the remote branches
    --[no-]tags             import all tags and associated objects when fetching
                            or do not fetch any tag at all (--no-tags)
    -t, --[no-]track <branch>
                            branch(es) to track
    -m, --[no-]master <branch>
                            master branch
    --[no-]mirror[=(push|fetch)]
                            set up remote as a mirror to push to or fetch from

PS C:\Users\rashi\OneDrive\Documents\Assignment-4 CSFCP> git branch -M main
PS C:\Users\rashi\OneDrive\Documents\Assignment-4 CSFCP> git push -u
fatal: The current branch main has no upstream branch.
To push the current branch and set the remote as upstream, use

    git push --set-upstream origin main

To have this happen automatically for branches without a tracking
upstream, see 'push.autoSetupRemote' in 'git help config'.

PS C:\Users\rashi\OneDrive\Documents\Assignment-4 CSFCP> git push --set-upstream origin main
Enumerating objects: 27, done.
Counting objects: 100% (27/27), done.
Delta compression using up to 22 threads
Compressing objects: 100% (21/21), done.
Writing objects: 100% (27/27), 4.60 KiB | 785.00 KiB/s, done.
Total 27 (delta 4), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (4/4), done.
To https://github.com/Rashi-create-code/CSFCP-Assignment-4
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.
PS C:\Users\rashi\OneDrive\Documents\Assignment-4 CSFCP>
```