

## 1. Create a branch feature/<your-name>/<task>

```
sakshijain1011@Sakshi-Jain: ~/Git-Task
sakshijain1011@Sakshi-Jain:~/Git-Task$ git checkout -b feature/sakshi/basic-program
Switched to a new branch 'feature/sakshi/basic-program'
sakshijain1011@Sakshi-Jain:~/Git-Task$
```

## 2. Add a simple program (reverse string / fibonacci / factorial)

```
GNU nano 7.2 reverse_string.cpp
#include <iostream>
#include <string>
using namespace std;

int main() {
    string s;
    cout << "Enter a string: ";
    cin >> s;

    int n = s.length();
    for (int i = 0; i < n / 2; i++) {
        swap(s[i], s[n - i - 1]);
    }

    cout << "Reversed string: " << s << endl;
    return 0;
}

[ Read 17 lines ]
^G Help      ^O Write Out ^W Where Is  ^K Cut       ^T Execute   ^C Location
^X Exit      ^R Read File ^\ Replace   ^U Paste     ^J Justify   ^/ Go To Line
```

## 3. Commit changes

```
sakshijain1011@Sakshi-Jain: ~/Git-Task
sakshijain1011@Sakshi-Jain:~/Git-Task$ git checkout -b feature/sakshi/basic-program
Switched to a new branch 'feature/sakshi/basic-program'
sakshijain1011@Sakshi-Jain:~/Git-Task$ nano reverse_string.cpp
sakshijain1011@Sakshi-Jain:~/Git-Task$ nano reverse_string.cpp
sakshijain1011@Sakshi-Jain:~/Git-Task$ git add reverse_string.cpp
sakshijain1011@Sakshi-Jain:~/Git-Task$ git commit -m "Add reverse string program"
[feature/sakshi/basic-program 06a44db] Add reverse string program
1 file changed, 17 insertions(+)
create mode 100644 reverse_string.cpp
sakshijain1011@Sakshi-Jain:~/Git-Task$
```

#### 4. Push branch to remote

```
sakshijain1011@Sakshi-Jain: ~/Git-Task
[feature/sakshi/basic-program 06a44db] Add reverse string program
1 file changed, 17 insertions(+)
create mode 100644 reverse_string.cpp
sakshijain1011@Sakshi-Jain:~/Git-Task$ git push origin feature/sakshi/basic-program
Username for 'https://github.com': sakshijain-josh
Password for 'https://sakshijain-josh@github.com':
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 12 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 492 bytes | 492.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'feature/sakshi/basic-program' on GitHub by vi
siting:
remote:      https://github.com/sakshijain-josh/Git-Task/pull/new/feature/sakshi
/basic-program
remote:
To https://github.com/sakshijain-josh/Git-Task.git
* [new branch]      feature/sakshi/basic-program -> feature/sakshi/basic-progra
m
sakshijain1011@Sakshi-Jain:~/Git-Task$
```

#### 5. Create a Pull Request to main



