What is

Git Cherry Pick

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1. **Introduction**

→ The **dictionary meaning** of cherry-picking is to **pick the best item from the group of items**

So what does that mean in the context of git?

→ When we want to pick a single commit from the source branch and want to apply it to the destination branch

→ In such a case we use the "git cherry-pick" command

→ Here, we're **cherry-picking** the **commit from all the commits**

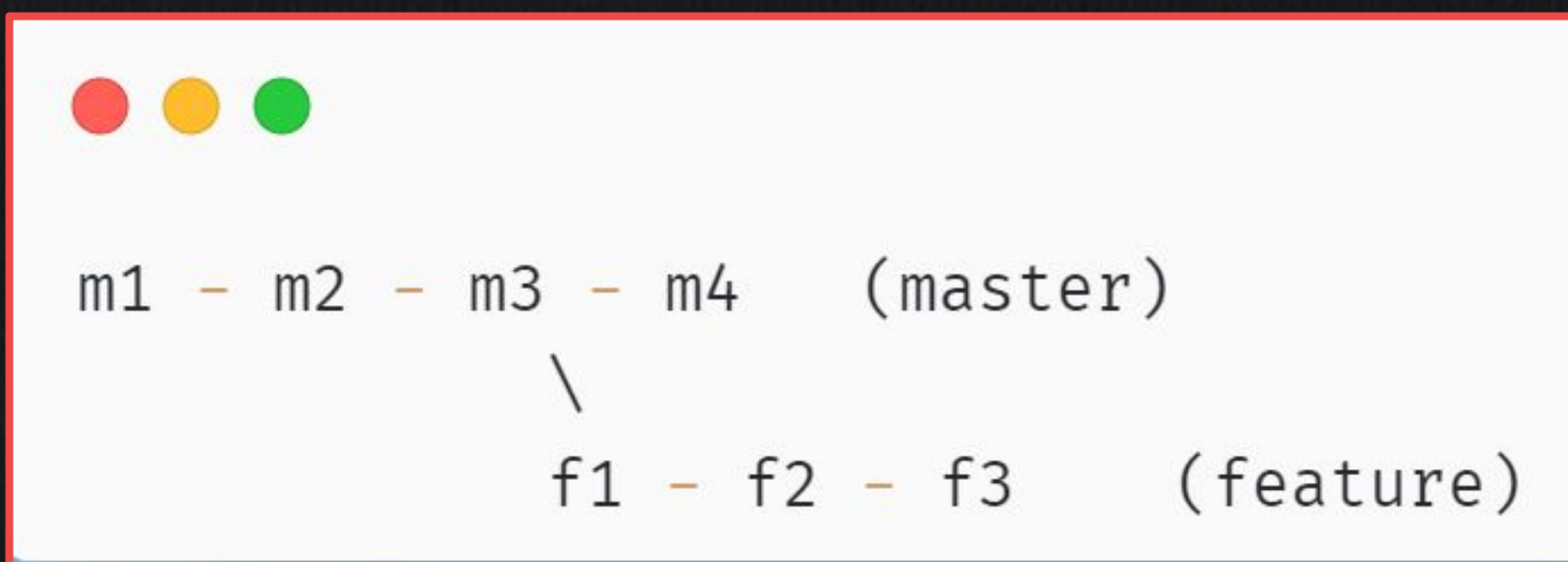→ These commits are present in the source branch and we're copying it to dest. branch
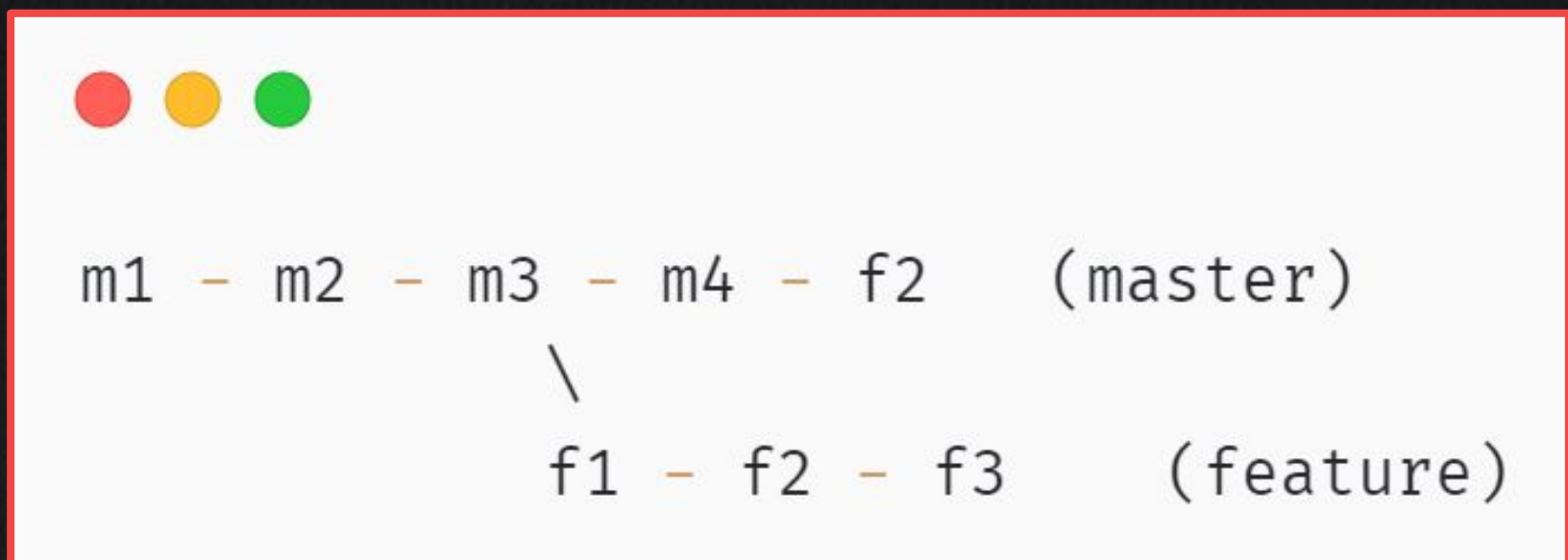
2. **How to use?**

→ By using the command:
"**git cherry-pick <commit-hash>**"

Example

→ Consider, that we've **two branches "master"** and **"feature" branch** with the following commits on them

```
m1 – m2 – m3 – m4    (master)
              \
              f1 – f2 – f3    (feature)
```

➜ Let's say we want to **add f2** commit from the feature **to the master** branch:

➜ We've to checkout to the master branch using:
"**git checkout master**"

➜ Use git cherry-pick as following:
"**git cherry-pick f2**"

➜ You've successfully added f2 commit in master now

```
m1 - m2 - m3 - m4 - f2    (master)
                \
                 f1 - f2 - f3    (feature)
```

3. **When** to use?

→ Helpful in **restoring lost commit**

→ **Undoing any wrong commit** made to a wrong branch and adding to the correct branch

→ **Hot fixing a specific bug** and moving such a bug to the master branch.

→ **Sharing specific changes to other Dev** working on similar requirements.

→

4. **Conclusion**

→ **Only use** the **cherry-pick** command **when** you genuinely **require it**

→ **git cherry-pick** is a very powerful command but its **use should be done carefully** otherwise it might add duplicate commits

→ **For all other work, git merge is preferable**

❤️ **Thanks** for reading !

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