DEPARTMENT OF CSE | **Quiz - 4**
Indian Institute of Technology Bhilai | **Set - I**
CS200 − SOFTWARE TOOLS AND TECHNOLOGIES LAB-II | **Sept 19, 2023**

Student's Name | Time: 15 mins
Roll No. | Maximum Marks: 10

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1. Which Git command is used to unstage changes from the staging area for a specific file?

   a) git reset
   b) git stash
   c) git checkout -- file-name
   d) git clean -f

2. For things like major releases and big merges, is there any way to mark these commits with something more permanent than a branch?

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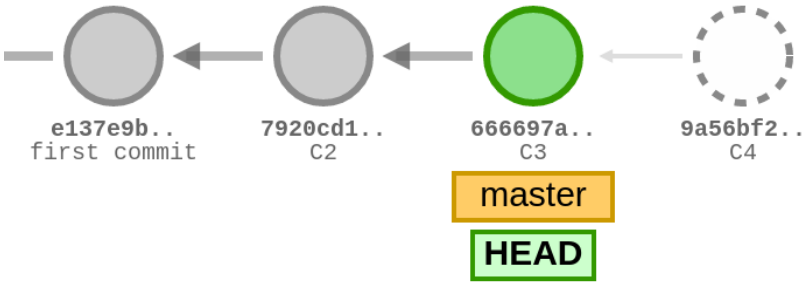
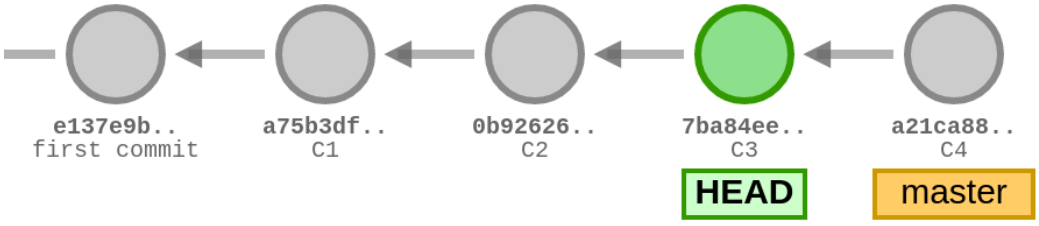
3. Differentiate between the two repo states given below: [2 marks]





4. What does “md” stand for in readme.md?_____

5. What is equivalent to fetch and merge?

a) push b) pull

c) fetch d) synchronize

6. Recall the experiment you did in class. Now carefully see the following git-flow. [4 Marks]

```
git init

echo ‘‘Alice’’ >> alice.md
git add alice.md; git commit -m ‘‘C1-Alice-1-file’’

echo ‘‘Bob’’ >> bob.md
git add bob.md; git commit -m ‘‘C2-Bob-2-files’’

echo ‘‘Eve’’ >> eve.md
echo ‘‘Alice Updated’’ >> alice.md
git add eve.md alice.md
git commit -m ‘‘C3-Eve-Alice-3-files’’

rm bob.md eve.md
git add .
git commit -m "C4-all deleted-0-files"

echo ‘‘Bob’’ >> bob.md
git add bob.md; git commit -m ‘‘C5-Bob-2-files’’
```

`git cherry-pick <C4-Commit-Hash>`

What are the files in the directory after the above cherry-pick? What is the status of the above cherry-pick? Justify your answer.

DEPARTMENT OF CSE | **Quiz - 4**
Indian Institute of Technology Bhilai | **Set - II**
CS200 − SOFTWARE TOOLS AND TECHNOLOGIES LAB-II | **Sept 19, 2023**

Student's Name | Time: 15 mins
Roll No. | Maximum Marks: 10

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1. Is there a way to *permanently* mark historical points in your project's history?

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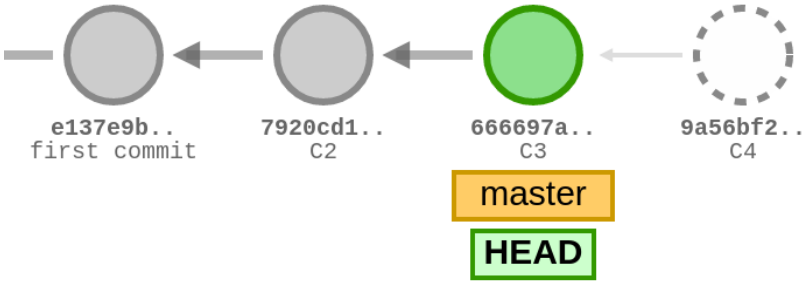
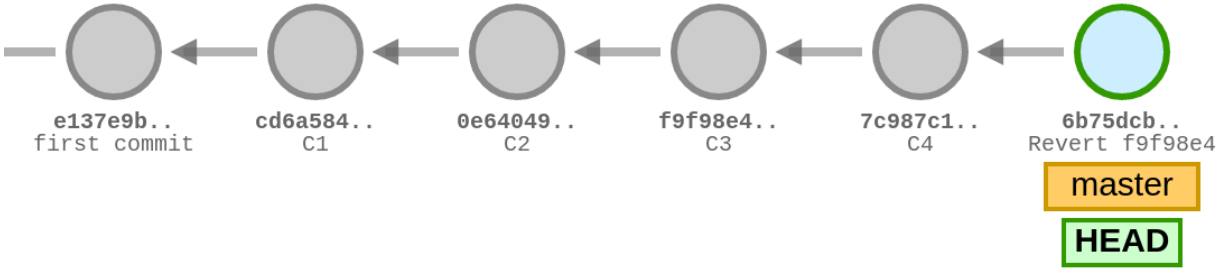
2. Which Git command allows you to list all stashes?
   a) git list
   b) git stash list
   c) git stash show
   d) git history

3. The default message assigned to a stash when you create it is "_____."

4. Differentiate between the two repo states given below: [2 marks]





5. Recall the experiment you did in class. Now carefully see the following git-flow. [4 Marks]

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git init

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git add bob.md; git commit -m ‘‘C2-Bob-2-files’’

echo ‘‘Eve’’ >> eve.md
echo ‘‘Alice Updated’’ >> alice.md
git add eve.md alice.md
git commit -m ‘‘C3-Eve-Alice-3-files’’

rm bob.md eve.md
git add .
git commit -m "C4-all deleted-0-files"

echo ‘‘Eve’’ >> eve.md
git add eve.md; git commit -m ‘‘C5-Eve-2-files’’
```

`git cherry-pick <C4-Commit-Hash>`

What is the status of the above cherry-pick? What are the files in the directory before and after the above cherry-pick? Justify your answer.

6. What does “md” stand for in readme.md?_____