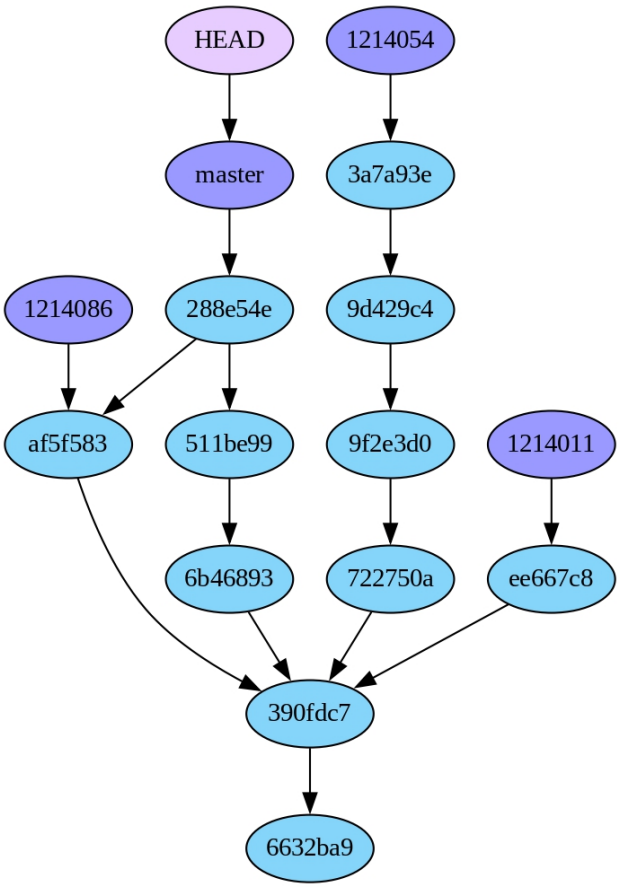
Software Tools and Technologies Lab II Assignment 1

10b. Now write a shell script to find the branch that has the latest commit and then merge all other branches to that branch using a loop. Dump the git graphs after each merge. Don't show blobs and trees. Show the incremental graphs with appropriate comments in LATEX.

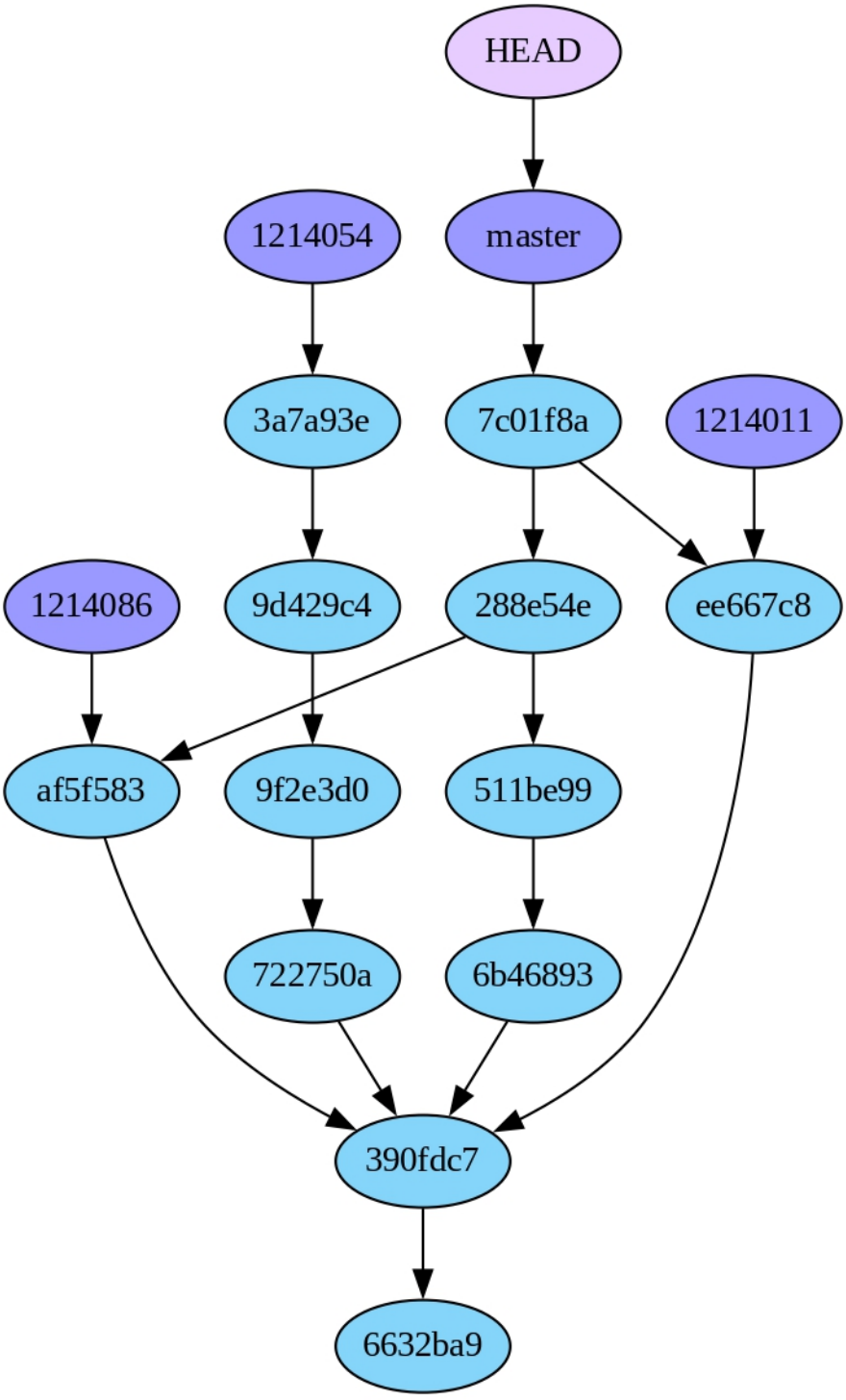
Ans:

Here, we have assumed that there are dummy commits already made in the laptop in which it is running(Or you can run the Q10_a shell script to get the dummy commits).
Here, the latest commit happened in the master branch. So we checkout to master branch.

Now, it loops in master branch, but as the branches are the same, it tells the code to pass it. And we go into the loop for next branch. Here, first it loops through 12140860 branch and merge the content in the master branch into master branch.
The resultant git graph would be:

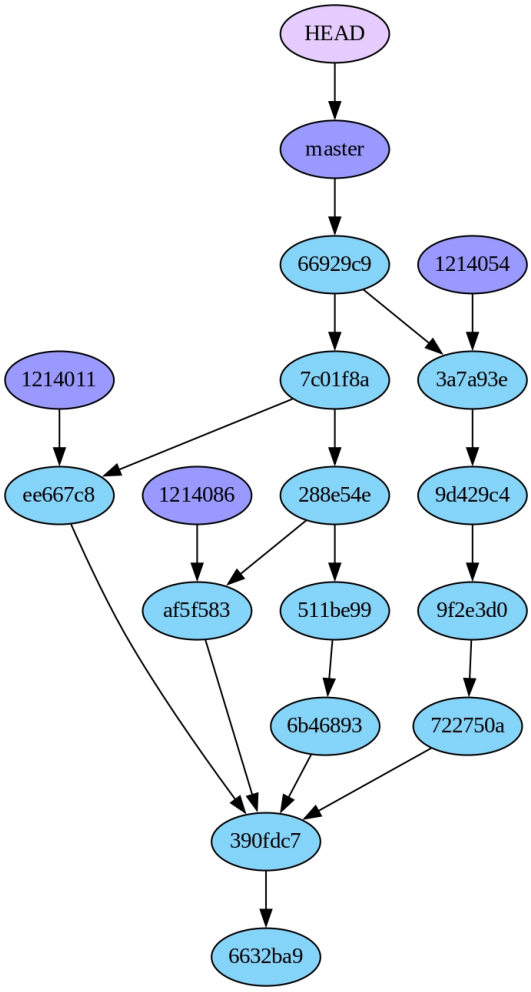


Now we loop through different branches. Here, first it loops through 12140110 branch and merge the content in the master branch into master branch. The resultant git graph would be:



It loops through 12140540 branch and merge the content in the master branch.

The resultant git graph would be:



Above example is when master contains the latest commit and it can anything different as well.