Homework: 02

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Solution of problem 1. done

Solution of problem 2. **(a)**

```
$ git init
$ touch a.txt
$ echo "Hello">>a.txt
$ git add .
$ git commit -m "Dummy"
$ git checkout -b 11940160
$ git checkout -b 11940020
$ git checkout -b 119401040
$ touch Ruchit.txt
$ echo "RPS">>Ruchit.txt
$ git add Ruchit.txt
$ git commit -m "Dummy1"
$ git checkout 11940020
$ touch Abdur.txt
$ echo "ARK">>Abdur.txt
$ git add Abdur.txt
$ git commit -m "Dummy3"
$ git checkout 11940160
$ touch Anupam.txt
$ echo "AK">>Anupam.txt
$ git add Anupam.txt
$ git commit -m "Dummy3"
$ git checkout master
$ echo "Hello World">>a.txt
$ git add a.txt
$ git commit -m "Dummy"
$ git branch -a                    ...outputs all the available branches
$ git log                          ...tells the latest commit
$ git graph                        ...[see figure 2.0]
```
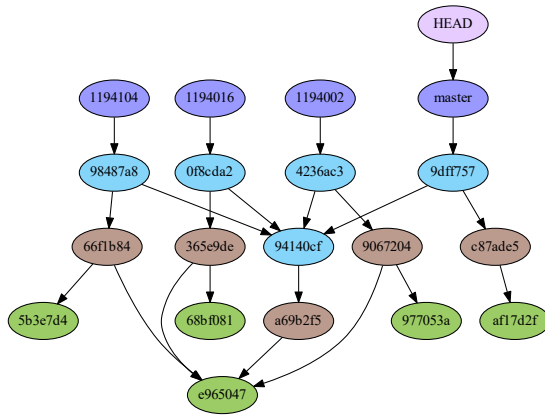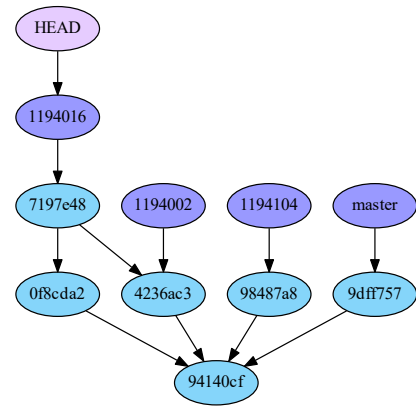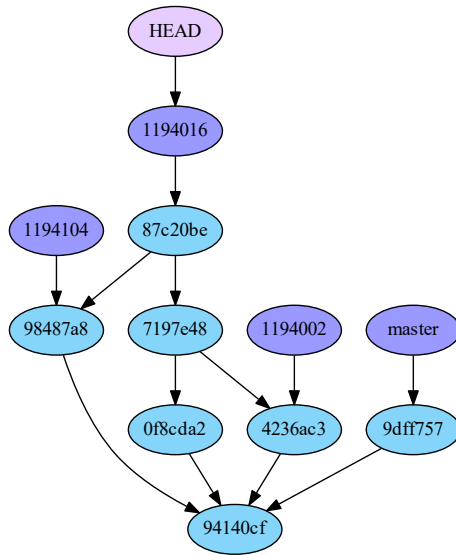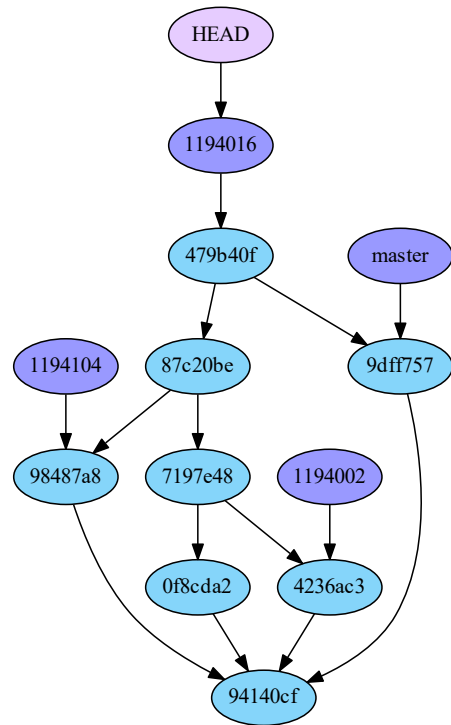
(b)

```
$ git checkout 11940160
$ for branch in $(git branch)
  > do
    > if [[$branch != 11940160]]
      > then
      > git merge $branch -m "merge into 11940160"
      > git graph -n clh                    .. [See figure 2.1, 2.2, 2.3]
    > fi
  > done
```

(a) Figure 2.0: **Graph before merging**

(b) Figure 2.1: **Graph after merging 1st branch**

(c) Figure 2.2: **Graph after merging 2nd branch**

(d) Figure 2.3: **Graph after merging 3rd branch**