| **[CS200]-Software Tools and Technologies Lab-2**	**Fall 2020-21**

Homework: 01

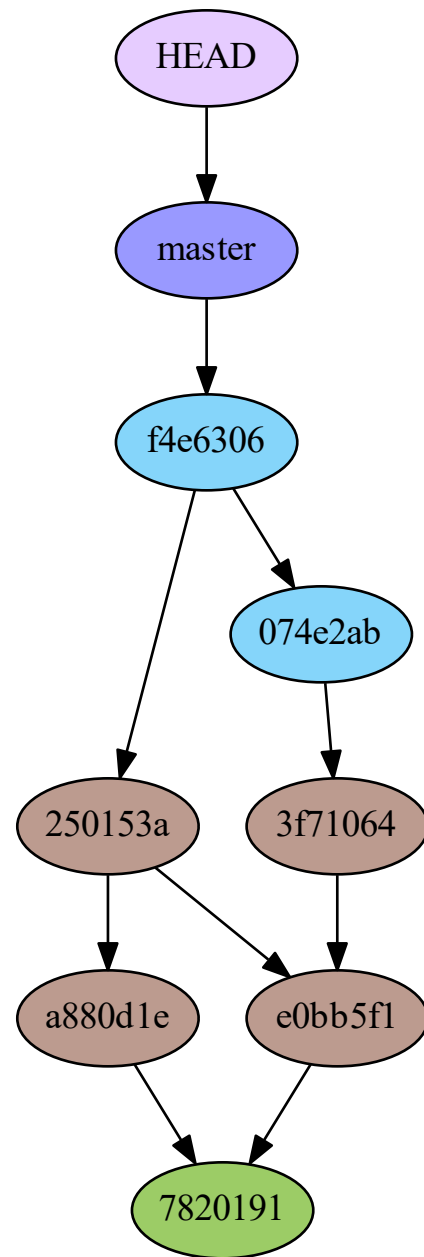Name: Aayush Deshmukh   RollNo:11940010   email:aayushd@iitbhilai.ac.in

Collaborators Names: Shubham Gupta(11941140) and Santaz Sahithi(11940230)

Solution of problem 2 :- The shell script is as follows :- The.sh file and graph pdf is also attached in this q2 folder.

Shell Script
mkdir q2
cd q2
git init
touch 11940010.txt
echo "iitbhilai" >> 11940010.txt
cp 11940010.txt 11940230.txt
cp 11940010.txt 11941140.txt
mkdir Aayush
mkdir Santaz
mkdir Shubham
mv 11940010.txt 11940230.txt
mv 11940010.txt 1141140.txt
git add Aayush
git commit -m "first commit"
git graph
git add Santaz
git commit -m "Second commit"
git graph
git add Shubham
git commit -m "third commit"
git graph
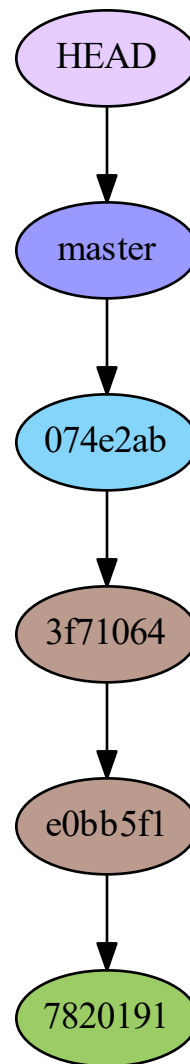
The graph after first commit is :-

```
                              ┌──────────┐
                              │   HEAD   │
                              └────┬─────┘
                                   │
                                   ▼
                              ┌──────────┐
                              │  master  │
                              └────┬─────┘
                                   │
                                   ▼
                              ┌──────────┐
                              │ f4e6306  │
                              └──┬────┬──┘
                                 │    │
                          ┌──────┘    └──────┐
                          │                  ▼
                          │             ┌──────────┐
                          │             │ 074e2ab  │
                          │             └────┬─────┘
                          ▼                  ▼
                    ┌──────────┐       ┌──────────┐
                    │ 250153a  │       │ 3f71064  │
                    └──┬────┬──┘       └────┬─────┘
                       │    └────────┐      │
                       ▼             ▼      ▼
                ┌──────────┐    ┌──────────┐
                │ a880d1e  │    │ e0bb5f1  │
                └────┬─────┘    └────┬─────┘
                     │               │
                     └──────┐ ┌──────┘
                            ▼ ▼
                      ┌──────────┐
                      │ 7820191  │
                      └──────────┘
```

The graph evolved after second commit :-
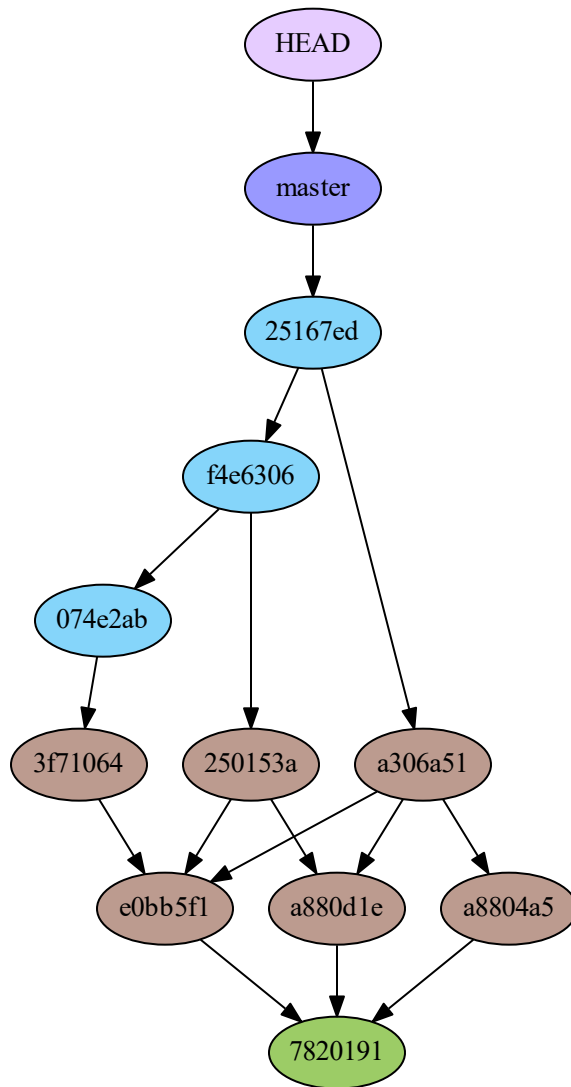
The graph evolved after third and final commit :-