

## Homework: 01

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4 This question's script part is done by Santaz Sahithi.

**Solution of Problem 4 :-** Initial Commit part :-

```
mkdir q4
```

```
cd q4
```

```
git init
```

```
git add .
```

```
git commit -m 'initial commit'
```

```
git graph -f svg
```

```
sleep 1
```

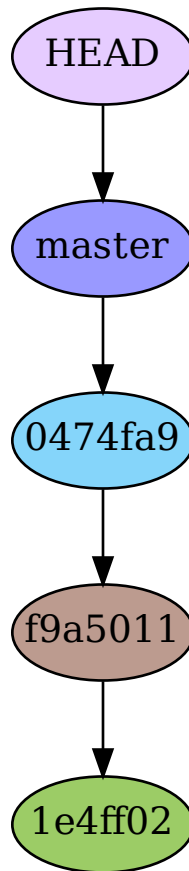
**The graph obtained after initial commit :-**



First commit part :-

```
echo "this is file 1" >> file1  
git add file1  
git commit -m 'first commit'  
git graph -f svg  
sleep 1
```

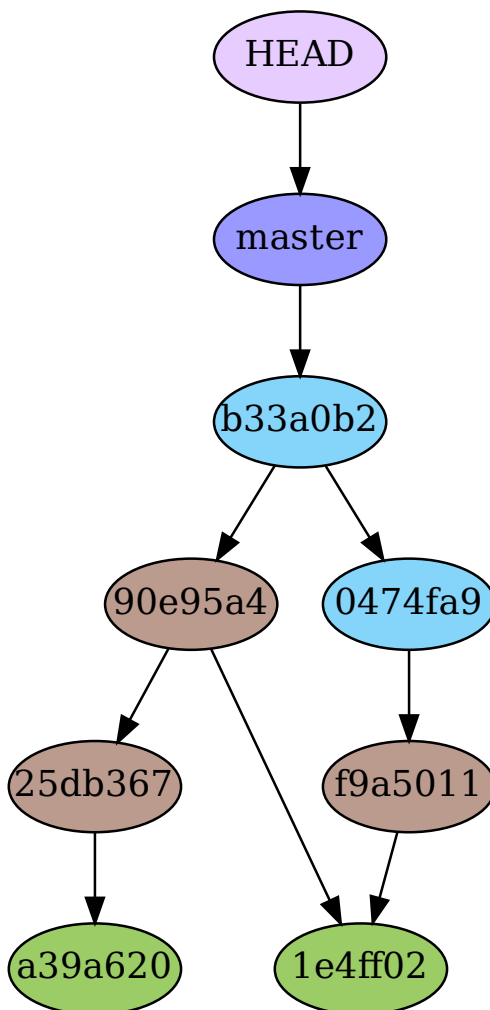
The graph obtained after first commit :-



Second commit part :-

```
mkdir folder2
echo "this is file 2" >> folder2/file2
git add folder2
git commit -m 'second commit'
git graph -f svg
sleep 1
```

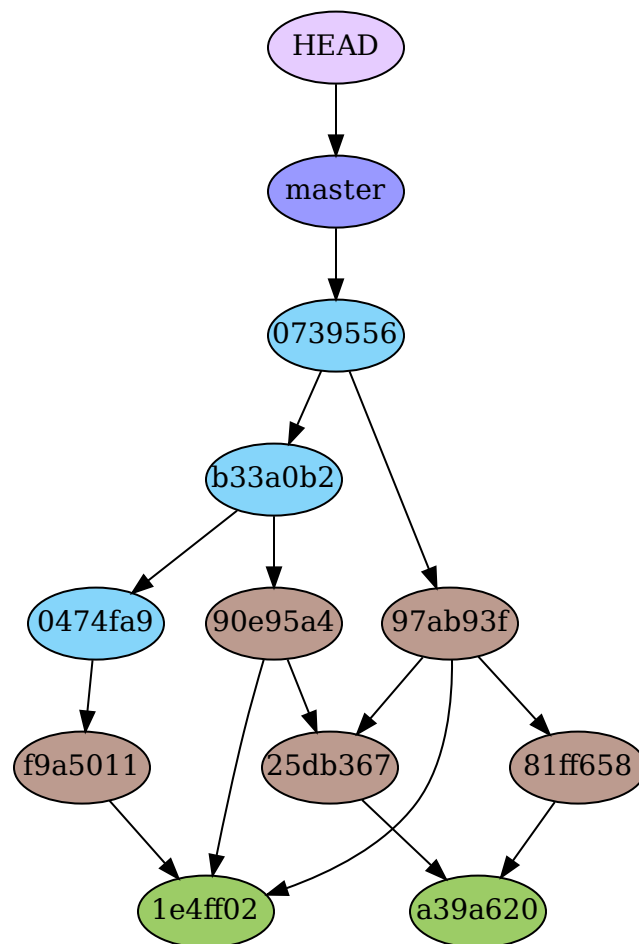
**The graph obtained after third commit :-**



Third commit part :-

```
mkdir folder3
cp ./folder2/file2 ./folder3/file4
git add folder3
git commit -m 'third commit'
git graph -f svg
sleep 1
( this commit will automatically have file1 as a blob )
```

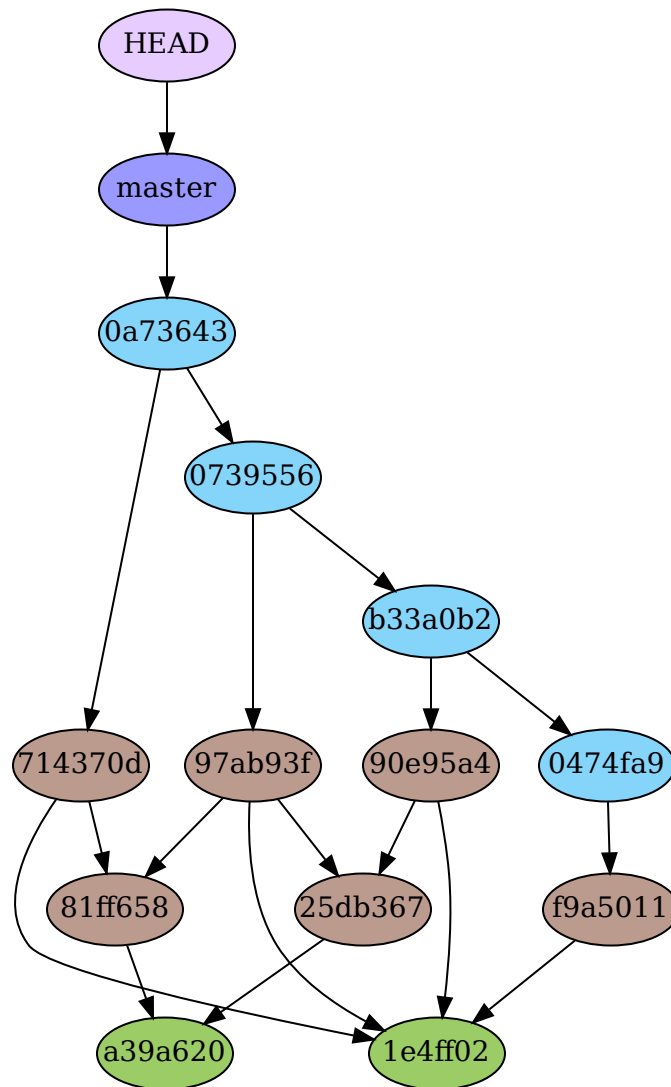
The graph obtained after third commit :-



Fourth commit part :-

```
mv folder2/file2 folder3/file4  
git add folder3 folder2 file1  
git commit -m 'fourth commit'  
git graph -f svg  
sleep 1
```

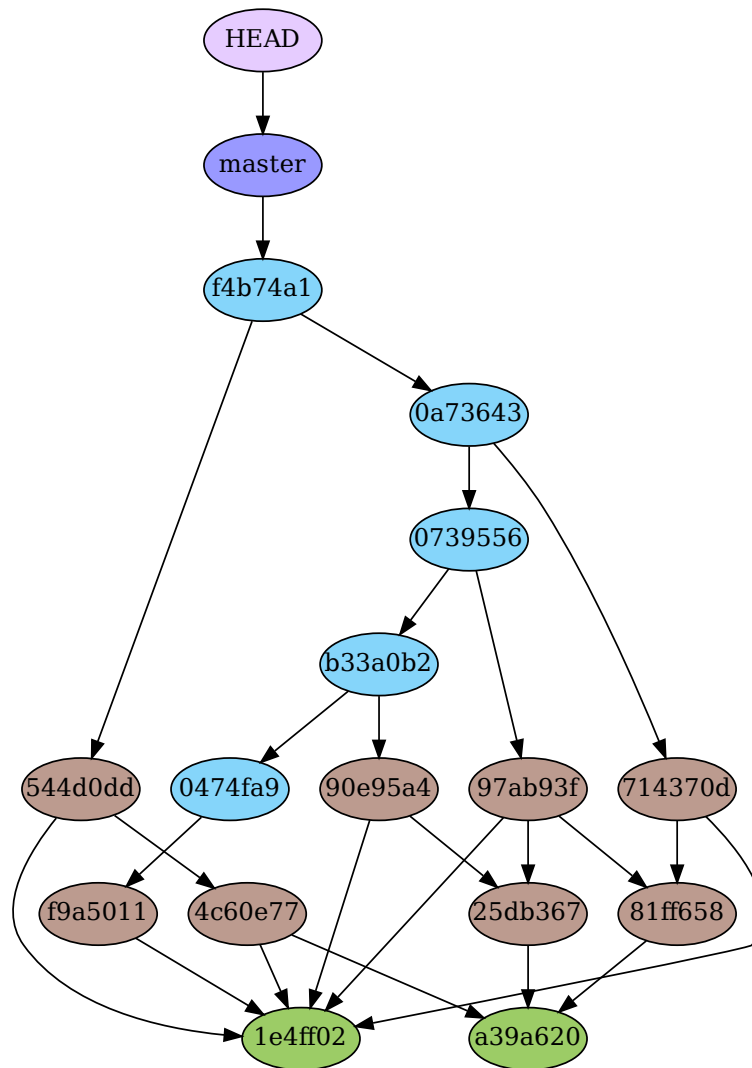
The graph obtained after fourth commit :-



Fifth commit part :-

```
mkdir folder5  
cp file1 folder5/  
mv folder3/file4 folder5/  
git add folder5 folder3 file1  
git commit -m "fifth commit"  
git graph -f svg  
sleep 1
```

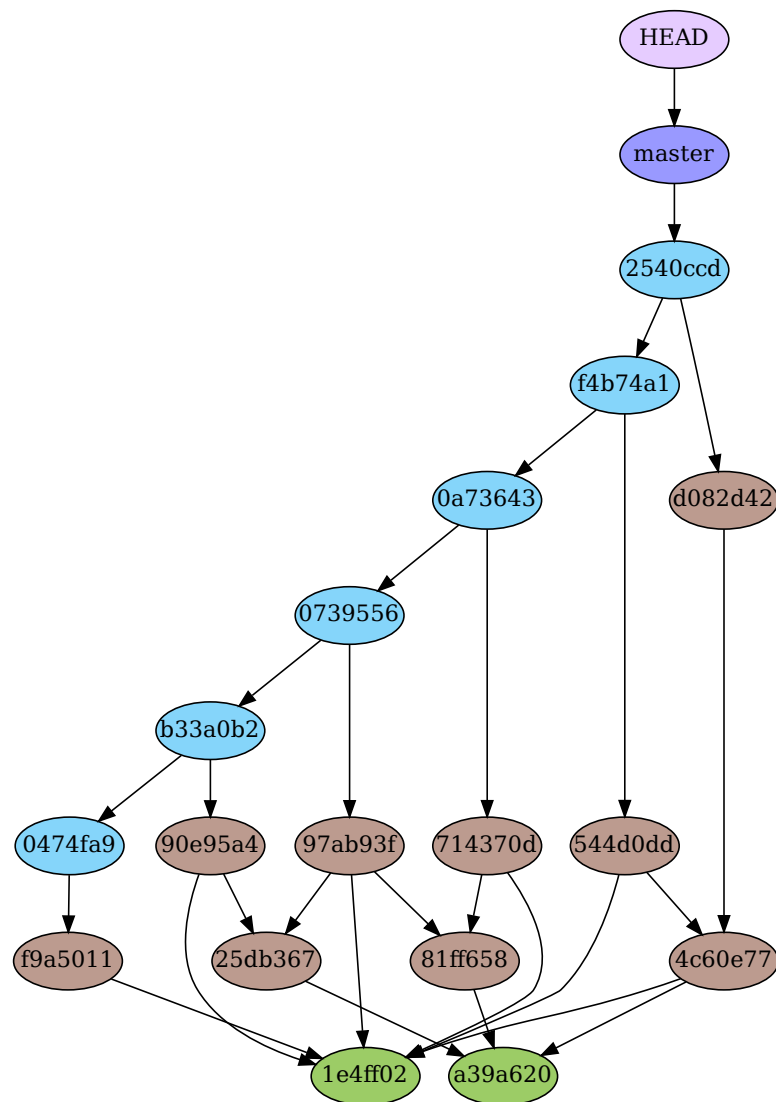
The graph obtained after fifth commit :-



Sixth commit part :-

```
mv folder5 folder6
mv file1 folder6
git add folder5 folder6 file1
git commit -m "sixth commit"
git graph -f svg
sleep 1
```

The graph obtained after sixth commit :-



Seventh and Final commit part :-

```
mkdir folder7
rm folder6/file4
cp folder6/file1 folder7/file9
rm -rf folder6
cp folder7/file9 folder7/file10
git add folder7 folder6
git commit -m 'seventh commit'
git graph -f svg
```

The final graph after seventh commit :-

