Module 1

Module 1: Subtask 1

```
[[tomar@snares-08] (20)$ cd cs506-spr2020/
[[tomar@snares-08] (21)$ ls
 README.md
[[tomar@snares-08] (22)$ git pull
 Already up to date.
[[tomar@snares-08] (23)$ git checkout student
 Branch 'student' set up to track remote branch 'student' from 'origin'.
 Switched to a new branch 'student'
[[tomar@snares-08] (24)$ git status
 On branch student
 Your branch is up to date with 'origin/student'.

 nothing to commit, working tree clean
[[tomar@snares-08] (25)$ make
 javac -g Main.java
[[tomar@snares-08] (26)$ git status
 On branch student
 Your branch is up to date with 'origin/student'.

 Untracked files:
   (use "git add <file>..." to include in what will be committed)

        FindDuplicate.class
        Main.class

 nothing added to commit but untracked files present (use "git add" to track)
[[tomar@snares-08] (27)$ vim .gitignore
[[tomar@snares-08] (28)$ vim README.txt
[[tomar@snares-08] (29)$ git status
 On branch student
 Your branch is up to date with 'origin/student'.

 Untracked files:
   (use "git add <file>..." to include in what will be committed)

        .gitignore
        README.txt

 nothing added to commit but untracked files present (use "git add" to track)
[[tomar@snares-08] (30)$ git add --all
[[tomar@snares-08] (31)$ git commit -m "module 1 subtask 1 final attempt"
 [student c94528c] module 1 subtask 1 final attempt
  Committer: Niharika Tomar <tomar@snares-08.cs.wisc.edu>
 Your name and email address were configured automatically based
 on your username and hostname. Please check that they are accurate.
 You can suppress this message by setting them explicitly. Run the
 following command and follow the instructions in your editor to edit
 your configuration file:

     git config --global --edit

 After doing this, you may fix the identity used for this commit with:

     git commit --amend --reset-author

  2 files changed, 2 insertions(+)
  create mode 100644 .gitignore
  create mode 100644 README.txt
 [tomar@snares-08] (32)$ █
```

Module 1: Subtask 2

```
[[tomar@snares-08] (32)$ git log
commit c94528c657f1b17d57ac1efe2ec6d2e7f445249c (HEAD -> student)
Author: Niharika Tomar <tomar@snares-08.cs.wisc.edu>
Date:   Fri Mar 13 15:09:13 2020 -0500

    module 1 subtask 1 final attempt

commit fbbb3f08fb7e2798174377a3a4eaff304e50722e (origin/student)
Author: schen921 <48606083+schen921@users.noreply.github.com>
Date:   Mon Feb 24 16:43:13 2020 -0600

    added files

commit 83d4b16078c84165e20f4006090e195ed4f57751
Author: schen921 <48606083+schen921@users.noreply.github.com>
Date:   Mon Feb 24 16:42:36 2020 -0600

    Deleted README

commit 0a00a7f84bd4dcc556d8db532cfe5c6bb4d44e24 (origin/master, origin/HEAD, master)
Author: schen921 <48606083+schen921@users.noreply.github.com>
Date:   Mon Feb 24 16:41:43 2020 -0600

    Initial commit
[tomar@snares-08] (33)$
```

Module 2

Module 2: Subtask 1

```
[[tomar@snares-08] (33)$ vim FindDuplicate2.java
[[tomar@snares-08] (34)$ git status
On branch student
Your branch is ahead of 'origin/student' by 1 commit.
  (use "git push" to publish your local commits)

Untracked files:
  (use "git add <file>..." to include in what will be committed)

        FindDuplicate2.java

nothing added to commit but untracked files present (use "git add" to track)
[[tomar@snares-08] (35)$ git add --all
[[tomar@snares-08] (36)$ git commit -m "added FindDuplicate2.java final attempt"
 [student b0116eb] added FindDuplicate2.java final attempt
 Committer: Niharika Tomar <tomar@snares-08.cs.wisc.edu>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

    git config --global --edit

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

 1 file changed, 13 insertions(+)
 create mode 100644 FindDuplicate2.java
[[tomar@snares-08] (37)$ git log
commit b0116eb843c82812e99946830c1a9cb7fdde2e12 (HEAD -> student)
Author: Niharika Tomar <tomar@snares-08.cs.wisc.edu>
Date:   Fri Mar 13 15:15:28 2020 -0500

    added FindDuplicate2.java final attempt

commit c94528c657f1b17d57ac1efe2ec6d2e7f445249c
Author: Niharika Tomar <tomar@snares-08.cs.wisc.edu>
Date:   Fri Mar 13 15:09:13 2020 -0500

    module 1 subtask 1 final attempt

commit fbbb3f08fb7e2798174377a3a4eaff304e50722e (origin/student)
Author: schen921 <48606083+schen921@users.noreply.github.com>
Date:   Mon Feb 24 16:43:13 2020 -0600

    added files

commit 83d4b16078c84165e20f4006090e195ed4f57751
Author: schen921 <48606083+schen921@users.noreply.github.com>
Date:   Mon Feb 24 16:42:36 2020 -0600

    Deleted README

commit 0a00a7f84bd4dcc556d8db532cfe5c6bb4d44e24 (origin/master, origin/HEAD, master)
Author: schen921 <48606083+schen921@users.noreply.github.com>
Date:   Mon Feb 24 16:41:43 2020 -0600

    Initial commit
[tomar@snares-08] (38)$
```

Module 2: Subtask 2

```
[tomar@snares-08] (37)$ git log
commit b0116eb843c82812e99946830c1a9cb7fdde2e12 (HEAD -> student)
Author: Niharika Tomar <tomar@snares-08.cs.wisc.edu>
Date:   Fri Mar 13 15:15:28 2020 -0500

    added FindDuplicate2.java final attempt

commit c94528c657f1b17d57ac1efe2ec6d2e7f445249c
Author: Niharika Tomar <tomar@snares-08.cs.wisc.edu>
Date:   Fri Mar 13 15:09:13 2020 -0500

    module 1 subtask 1 final attempt

commit fbbb3f08fb7e2798174377a3a4eaff304e50722e (origin/student)
Author: schen921 <48606083+schen921@users.noreply.github.com>
Date:   Mon Feb 24 16:43:13 2020 -0600

    added files

commit 83d4b16078c84165e20f4006090e195ed4f57751
Author: schen921 <48606083+schen921@users.noreply.github.com>
Date:   Mon Feb 24 16:42:36 2020 -0600

    Deleted README

commit 0a00a7f84bd4dcc556d8db532cfe5c6bb4d44e24 (origin/master, origin/HEAD, master)
Author: schen921 <48606083+schen921@users.noreply.github.com>
Date:   Mon Feb 24 16:41:43 2020 -0600

    Initial commit
[tomar@snares-08] (38)$ git revert b0116eb843c82812e99946830c1a9cb7fdde2e12
[student f7131d4] Revert "added FindDuplicate2.java final attempt"
 Committer: Niharika Tomar <tomar@snares-08.cs.wisc.edu>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

    git config --global --edit

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

 1 file changed, 13 deletions(-)
 delete mode 100644 FindDuplicate2.java
[tomar@snares-08] (39)$ git merge origin/david
Merge made by the 'recursive' strategy.
 FindDuplicate2.java | 16 ++++++++++++++++
 1 file changed, 16 insertions(+)
 create mode 100644 FindDuplicate2.java
```

```
[[tomar@snares-08] (40)$ git log
commit 26f69ec6cad0381ad68b60e24978bdeb679d3930 (HEAD -> student)
Merge: f7131d4 dfa18eb
Author: Niharika Tomar <tomar@snares-08.cs.wisc.edu>
Date:   Fri Mar 13 15:21:42 2020 -0500

    Merge remote-tracking branch 'origin/david' into student

commit f7131d47a77374f0ef702f578d3e8086da46c912
Author: Niharika Tomar <tomar@snares-08.cs.wisc.edu>
Date:   Fri Mar 13 15:20:36 2020 -0500

    Revert "added FindDuplicate2.java final attempt"

    This reverts commit b0116eb843c82812e99946830c1a9cb7fdde2e12.

commit b0116eb843c82812e99946830c1a9cb7fdde2e12
Author: Niharika Tomar <tomar@snares-08.cs.wisc.edu>
Date:   Fri Mar 13 15:15:28 2020 -0500

    added FindDuplicate2.java final attempt

commit c94528c657f1b17d57ac1efe2ec6d2e7f445249c
Author: Niharika Tomar <tomar@snares-08.cs.wisc.edu>
Date:   Fri Mar 13 15:09:13 2020 -0500

    module 1 subtask 1 final attempt

commit dfa18ebf567240d1431bc596d450fedca3e8cc13 (origin/david)
Author: schen921 <48606083+schen921@users.noreply.github.com>
Date:   Mon Feb 24 16:48:38 2020 -0600

    upload files

commit 32f96d554def014ee3a73f0e545bff8a99e1d73a
Author: schen921 <48606083+schen921@users.noreply.github.com>
Date:   Mon Feb 24 16:48:11 2020 -0600

    deleted README

commit fbbb3f08fb7e2798174377a3a4eaff304e50722e (origin/student)
Author: schen921 <48606083+schen921@users.noreply.github.com>
Date:   Mon Feb 24 16:43:13 2020 -0600

    added files

commit 83d4b16078c84165e20f4006090e195ed4f57751
Author: schen921 <48606083+schen921@users.noreply.github.com>
Date:   Mon Feb 24 16:42:36 2020 -0600

    Deleted README

commit 0a00a7f84bd4dcc556d8db532cfe5c6bb4d44e24 (origin/master, origin/HEAD, master)
Author: schen921 <48606083+schen921@users.noreply.github.com>
Date:   Mon Feb 24 16:41:43 2020 -0600

    Initial commit
[tomar@snares-08] (41)$
```

Module 3

Module 3: Subtask 1

```
[tomar@snares-08] (41)$ git merge origin/tom
Auto-merging FindDuplicate.java
CONFLICT (add/add): Merge conflict in FindDuplicate.java
Automatic merge failed; fix conflicts and then commit the result.
[tomar@snares-08] (42)$ git log
commit 26f69ec6cad0381ad68b60e24978bdeb679d3930 (HEAD -> student)
Merge: f7131d4 dfa18eb
Author: Niharika Tomar <tomar@snares-08.cs.wisc.edu>
Date:   Fri Mar 13 15:21:42 2020 -0500

    Merge remote-tracking branch 'origin/david' into student

commit f7131d47a77374f0ef702f578d3e8086da46c912
Author: Niharika Tomar <tomar@snares-08.cs.wisc.edu>
Date:   Fri Mar 13 15:20:36 2020 -0500

    Revert "added FindDuplicate2.java final attempt"

    This reverts commit b0116eb843c82812e99946830c1a9cb7fdde2e12.

commit b0116eb843c82812e99946830c1a9cb7fdde2e12
Author: Niharika Tomar <tomar@snares-08.cs.wisc.edu>
Date:   Fri Mar 13 15:15:28 2020 -0500

    added FindDuplicate2.java final attempt

commit c94528c657f1b17d57ac1efe2ec6d2e7f445249c
Author: Niharika Tomar <tomar@snares-08.cs.wisc.edu>
Date:   Fri Mar 13 15:09:13 2020 -0500

    module 1 subtask 1 final attempt

commit dfa18ebf567240d1431bc596d450fedca3e8cc13 (origin/david)
Author: schen921 <48606083+schen921@users.noreply.github.com>
Date:   Mon Feb 24 16:48:38 2020 -0600

    upload files

commit 32f96d554def014ee3a73f0e545bff8a99e1d73a
Author: schen921 <48606083+schen921@users.noreply.github.com>
Date:   Mon Feb 24 16:48:11 2020 -0600

    deleted README

commit fbbb3f08fb7e2798174377a3a4eaff304e50722e (origin/student)
Author: schen921 <48606083+schen921@users.noreply.github.com>
Date:   Mon Feb 24 16:43:13 2020 -0600

    added files

commit 83d4b16078c84165e20f4006090e195ed4f57751
Author: schen921 <48606083+schen921@users.noreply.github.com>
Date:   Mon Feb 24 16:42:36 2020 -0600

    Deleted README

commit 0a00a7f84bd4dcc556d8db532cfe5c6bb4d44e24 (origin/master, origin/HEAD, master)
Author: schen921 <48606083+schen921@users.noreply.github.com>
Date:   Mon Feb 24 16:41:43 2020 -0600

    Initial commit
```

Module 3: Subtask 2

How to manually **resolve** merge **conflict(s):**

PART 1.

1. Open Terminal.
2. Navigate into the local Git repository that has the merge conflict.
    cd *REPOSITORY-NAME*
3. Generate a list of the files affected by the merge conflict. Here, the
    file FindDuplicate.java has a merge conflict.

```
[[tomar@snares-08] (43)$ git status
On branch student
Your branch is ahead of 'origin/student' by 6 commits.
  (use "git push" to publish your local commits)

You have unmerged paths.
  (fix conflicts and run "git commit")
  (use "git merge --abort" to abort the merge)

Unmerged paths:
  (use "git add <file>..." to mark resolution)

        both added:      FindDuplicate.java

no changes added to commit (use "git add" and/or "git commit -a")
```

4. Open a text editor, such as VSCode/Atom/Vim/Sublime etc. and navigate to the
    file that has merge conflicts.
5. To see the beginning of the merge conflict in your file, search the file for the
    conflict marker <<<<<<<. When we open the file in our text editor, we'll see the
    changes from the HEAD or base branch after the line <<<<<<< HEAD. Next, we'll
    see =======, which divides our changes from the changes in the other branch,
    followed by >>>>>>> BRANCH-NAME. Here, our file had "runs[index] = -1;" in the
    base or HEAD branch and another person(tom) wrote " runs[index] *= -1;" in the
    compare branch or origin/tom.

```
class FindDuplicate {
        public static int findDuplicate(int[] nums) {
                for(int i = 0; i < nums.length; i++){
                int index = Math.abs(nums[i]);
                if(nums[index] > 0){
<<<<<<< HEA
                        nums[index] = -1;
=======
                        nums[index] *= -1;
>>>>>>> origin/tom
                }
                else
                {
                        return index;
                }
            }
            return -1;
        }
}
~
```

6. Now, it's time to decide if we want to keep only our branch's changes, keep only
    the other branch's changes, or make a brand-new change, which may incorporate

changes from both branches. We should now delete the conflict markers <<<<<<<, =======, >>>>>>> and make the changes that we want in the final merge. Here, we keep origin/tom's version:

```
class FindDuplicate
        public static int findDuplicate(int[] nums) {
                for(int i = 0; i < nums.length; i++){
                int index = Math.abs(nums[i]);
                if(nums[index] > 0){D
                        nums[index] *= -1;
                }
                else
                {
                        return index;
                }
        }
        return -1;
    }
}
```

7. It's time to add/stage (git add) our changes and finally commit (git commit) them.

PART 2 AND 3

The file content after I resolved conflict + git status:

```
[[tomar@snares-08] (47)$ cat FindDuplicate.java
class FindDuplicate {
        public static int findDuplicate(int[] nums) {
                for(int i = 0; i < nums.length; i++){
                int index = Math.abs(nums[i]);
                if(nums[index] > 0){D
                        nums[index] *= -1;
                }
                else
                {
                        return index;
                }
        }
        return -1;
    }
}
[[tomar@snares-08] (48)$ git status
On branch student
Your branch is ahead of 'origin/student' by 6 commits.
  (use "git push" to publish your local commits)

You have unmerged paths.
  (fix conflicts and run "git commit")
  (use "git merge --abort" to abort the merge)

Unmerged paths:
  (use "git add <file>..." to mark resolution)

        both added:      FindDuplicate.java

no changes added to commit (use "git add" and/or "git commit -a")
[tomar@snares-08] (49)$
```

Module 3: Subtask 3

```
[[tomar@snares-08] (51)$ git log
commit c753b558b3912c5b97b060f6d9421b4e98950fdd (HEAD -> student)
Merge: 26f69ec c3400a5
Author: Niharika Tomar <tomar@snares-08.cs.wisc.edu>
Date:   Fri Mar 13 15:47:13 2020 -0500

    resolved conflicts in FindDuplicate.java final attempt

commit 26f69ec6cad0381ad68b60e24978bdeb679d3930
Merge: f7131d4 dfa18eb
Author: Niharika Tomar <tomar@snares-08.cs.wisc.edu>
Date:   Fri Mar 13 15:21:42 2020 -0500

    Merge remote-tracking branch 'origin/david' into student

commit f7131d47a77374f0ef702f578d3e8086da46c912
Author: Niharika Tomar <tomar@snares-08.cs.wisc.edu>
Date:   Fri Mar 13 15:20:36 2020 -0500

    Revert "added FindDuplicate2.java final attempt"

    This reverts commit b0116eb843c82812e99946830c1a9cb7fdde2e12.

commit b0116eb843c82812e99946830c1a9cb7fdde2e12
Author: Niharika Tomar <tomar@snares-08.cs.wisc.edu>
Date:   Fri Mar 13 15:15:28 2020 -0500

    added FindDuplicate2.java final attempt

commit c94528c657f1b17d57ac1efe2ec6d2e7f445249c
Author: Niharika Tomar <tomar@snares-08.cs.wisc.edu>
Date:   Fri Mar 13 15:09:13 2020 -0500

    module 1 subtask 1 final attempt

commit dfa18ebf567240d1431bc596d450fedca3e8cc13 (origin/david)
Author: schen921 <48606083+schen921@users.noreply.github.com>
Date:   Mon Feb 24 16:48:38 2020 -0600

    upload files

commit 32f96d554def014ee3a73f0e545bff8a99e1d73a
Author: schen921 <48606083+schen921@users.noreply.github.com>
Date:   Mon Feb 24 16:48:11 2020 -0600

    deleted README

commit c3400a5143ebb4f6f281399c52693ea3c434a97e (origin/tom)
Author: schen921 <48606083+schen921@users.noreply.github.com>
Date:   Mon Feb 24 16:44:16 2020 -0600

    upload files

commit e52f15798bdccbc24eca36a02838e2ecb38aeb9d
Author: schen921 <48606083+schen921@users.noreply.github.com>
Date:   Mon Feb 24 16:43:48 2020 -0600

    delete README

commit fbbb3f08fb7e2798174377a3a4eaff304e50722e (origin/student)
Author: schen921 <48606083+schen921@users.noreply.github.com>
```

Module 4

Module 4: Subtask 1

Command used: git cherry-pick 8a5a92fc090e8882c3ca512637133320d43f4822

```
[[tomar@snares-08] (54)$ git checkout student
Switched to branch 'student'
Your branch is ahead of 'origin/student' by 9 commits.
  (use "git push" to publish your local commits)
[[tomar@snares-08] (55)$ git cherry-pick 8a5a92fc090e8882c3ca512637133320d43f4822
[student 0837a76] Added test cases for Find Duplicates
 Author: schen921 <48606083+schen921@users.noreply.github.com>
 Date: Mon Feb 24 16:46:46 2020 -0600
 Committer: Niharika Tomar <tomar@snares-08.cs.wisc.edu>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

    git config --global --edit

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

 1 file changed, 10 insertions(+)
 create mode 100644 Test.java
```

Git log:

```
[[tomar@snares-08] (56)$ git log
commit 0837a76f8f2984da7c10226851add59aa009ffc5 (HEAD -> student)
Author: schen921 <48606083+schen921@users.noreply.github.com>
Date:   Mon Feb 24 16:46:46 2020 -0600

    Added test cases for Find Duplicates

commit c753b558b3912c5b97b060f6d9421b4e98950fdd
Merge: 26f69ec c3400a5
Author: Niharika Tomar <tomar@snares-08.cs.wisc.edu>
Date:   Fri Mar 13 15:47:13 2020 -0500

    resolved conflicts in FindDuplicate.java final attempt

commit 26f69ec6cad0381ad68b60e24978bdeb679d3930
Merge: f7131d4 dfa18eb
Author: Niharika Tomar <tomar@snares-08.cs.wisc.edu>
Date:   Fri Mar 13 15:21:42 2020 -0500

    Merge remote-tracking branch 'origin/david' into student

commit f7131d47a77374f0ef702f578d3e8086da46c912
Author: Niharika Tomar <tomar@snares-08.cs.wisc.edu>
Date:   Fri Mar 13 15:20:36 2020 -0500

    Revert "added FindDuplicate2.java final attempt"

    This reverts commit b0116eb843c82812e99946830c1a9cb7fdde2e12.

commit b0116eb843c82812e99946830c1a9cb7fdde2e12
Author: Niharika Tomar <tomar@snares-08.cs.wisc.edu>
Date:   Fri Mar 13 15:15:28 2020 -0500

    added FindDuplicate2.java final attempt

commit c94528c657f1b17d57ac1efe2ec6d2e7f445249c
Author: Niharika Tomar <tomar@snares-08.cs.wisc.edu>
Date:   Fri Mar 13 15:09:13 2020 -0500

    module 1 subtask 1 final attempt

commit dfa18ebf567240d1431bc596d450fedca3e8cc13 (origin/david)
Author: schen921 <48606083+schen921@users.noreply.github.com>
Date:   Mon Feb 24 16:48:38 2020 -0600

    upload files

commit 32f96d554def014ee3a73f0e545bff8a99e1d73a
Author: schen921 <48606083+schen921@users.noreply.github.com>
Date:   Mon Feb 24 16:48:11 2020 -0600

    deleted README

commit c3400a5143ebb4f6f281399c52693ea3c434a97e (origin/tom)
Author: schen921 <48606083+schen921@users.noreply.github.com>
Date:   Mon Feb 24 16:44:16 2020 -0600

    upload files

commit e52f15798bdccbc24eca36a02838e2ecb38aeb9d
Author: schen921 <48606083+schen921@users.noreply.github.com>
```

Module 5

Module 5: Subtask 1

```
[[tomar@snares-08] (63)$ git log
commit 782352c5e9b96b403e8fd7d2852f7842e6c61f0b (HEAD -> student)
Author: Niharika Tomar <tomar@snares-08.cs.wisc.edu>
Date:   Fri Mar 13 15:59:51 2020 -0500

    module 5 subtask1 final attempt edited main

commit 0837a76f8f2984da7c10226851add59aa009ffc5
Author: schen921 <48606083+schen921@users.noreply.github.com>
Date:   Mon Feb 24 16:46:46 2020 -0600

    Added test cases for Find Duplicates

commit c753b558b3912c5b97b060f6d9421b4e98950fdd
Merge: 26f69ec c3400a5
Author: Niharika Tomar <tomar@snares-08.cs.wisc.edu>
Date:   Fri Mar 13 15:47:13 2020 -0500

    resolved conflicts in FindDuplicate.java final attempt

commit 26f69ec6cad0381ad68b60e24978bdeb679d3930
Merge: f7131d4 dfa18eb
Author: Niharika Tomar <tomar@snares-08.cs.wisc.edu>
Date:   Fri Mar 13 15:21:42 2020 -0500

    Merge remote-tracking branch 'origin/david' into student

commit f7131d47a77374f0ef702f578d3e8086da46c912
Author: Niharika Tomar <tomar@snares-08.cs.wisc.edu>
Date:   Fri Mar 13 15:20:36 2020 -0500

    Revert "added FindDuplicate2.java final attempt"

    This reverts commit b0116eb843c82812e99946830c1a9cb7fdde2e12.

commit b0116eb843c82812e99946830c1a9cb7fdde2e12
Author: Niharika Tomar <tomar@snares-08.cs.wisc.edu>
Date:   Fri Mar 13 15:15:28 2020 -0500

    added FindDuplicate2.java final attempt

commit c94528c657f1b17d57ac1efe2ec6d2e7f445249c
Author: Niharika Tomar <tomar@snares-08.cs.wisc.edu>
Date:   Fri Mar 13 15:09:13 2020 -0500

    module 1 subtask 1 final attempt

commit dfa18ebf567240d1431bc596d450fedca3e8cc13 (origin/david)
Author: schen921 <48606083+schen921@users.noreply.github.com>
Date:   Mon Feb 24 16:48:38 2020 -0600

    upload files

commit 32f96d554def014ee3a73f0e545bff8a99e1d73a
Author: schen921 <48606083+schen921@users.noreply.github.com>
Date:   Mon Feb 24 16:48:11 2020 -0600

    deleted README

commit c3400a5143ebb4f6f281399c52693ea3c434a97e (origin/tom)
Author: schen921 <48606083+schen921@users.noreply.github.com>
```

Module 5: Subtask 2

Command to combine commits with modified message as a combo of both commits:

Git rebase - -interactive HEAD~2

Used (inside file editor):

Pick 1c296c Added test cases for Find Duplicates

Squash 1baaa8a module 5 subtask 1 final attempt edited main

```
[[tomar@snares-08] (111)$ git rebase --interactive HEAD~2
 [detached HEAD 2f3adaa] Added test cases for Find Duplicates
  Author: schen921 <48606083+schen921@users.noreply.github.com>
  Date: Mon Feb 24 16:46:46 2020 -0600
  Committer: Niharika Tomar <tomar@snares-08.cs.wisc.edu>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

    git config --global --edit

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

 2 files changed, 16 insertions(+), 4 deletions(-)
 create mode 100644 Test.java
Successfully rebased and updated refs/heads/student.
```

Git log:

```
[tomar@snares-08] (112)$ git log
commit 2f3adaaee465de103d3201800a35ee5bffc1be22 (HEAD -> student)
Author: schen921 <48606083+schen921@users.noreply.github.com>
Date:   Mon Feb 24 16:46:46 2020 -0600

    Added test cases for Find Duplicates

    module 5 subtask 1 final attempt edited main

commit a63a4cd6ecfc2c6bb70c11b71d4a784cf5f2e21a
Merge: 2f07325 c3400a5
Author: Niharika Tomar <tomar@snares-08.cs.wisc.edu>
Date:   Fri Mar 13 16:27:26 2020 -0500

    resolved conflicts in FindDuplicate.java final attempt

commit 2f0732512b6d125677efdf172b37c5e26ba5f8ae
Merge: 41482f1 dfa18eb
Author: Niharika Tomar <tomar@snares-08.cs.wisc.edu>
Date:   Fri Mar 13 16:25:10 2020 -0500

    Merge remote-tracking branch 'origin/david' into student

commit 41482f1b53ff58b571ca82b55ae6124055640d89
Author: Niharika Tomar <tomar@snares-08.cs.wisc.edu>
Date:   Fri Mar 13 16:24:42 2020 -0500

    Revert "added FindDuplicate2.java final attempt"

    This reverts commit b0116eb843c82812e99946830c1a9cb7fdde2e12.

commit b0116eb843c82812e99946830c1a9cb7fdde2e12
Author: Niharika Tomar <tomar@snares-08.cs.wisc.edu>
Date:   Fri Mar 13 15:15:28 2020 -0500

    added FindDuplicate2.java final attempt

commit c94528c657f1b17d57ac1efe2ec6d2e7f445249c
Author: Niharika Tomar <tomar@snares-08.cs.wisc.edu>
Date:   Fri Mar 13 15:09:13 2020 -0500

    module 1 subtask 1 final attempt

commit dfa18ebf567240d1431bc596d450fedca3e8cc13 (origin/david)
Author: schen921 <48606083+schen921@users.noreply.github.com>
Date:   Mon Feb 24 16:48:38 2020 -0600

    upload files

commit 32f96d554def014ee3a73f0e545bff8a99e1d73a
Author: schen921 <48606083+schen921@users.noreply.github.com>
Date:   Mon Feb 24 16:48:11 2020 -0600

    deleted README

commit c3400a5143ebb4f6f281399c52693ea3c434a97e (origin/tom)
Author: schen921 <48606083+schen921@users.noreply.github.com>
Date:   Mon Feb 24 16:44:16 2020 -0600

    upload files
```