

SE Factory

Day 7 - Assignments

version 01BD_1603

Delivery Deadline: Tuesday March 22th EOD

Source Control - Git

Exercise 1

Write a PHP script that acts as a search engine for the git commit history. The script should take as input either: author, email address, date, time, or even a random String. Your script should search the entire `git log` and return the relevant commits as per the output format defined below.

Note: Your script should not be called using `php <scriptname>` instead it should be called directly by its name `<scriptname>`

Script parameters

```
-a : (Mandatory) Search by Author  
-e : (Mandatory) Search by Email address  
-t : (Mandatory) Search by Time, format: H:mm (15:05)  
-d : (Mandatory) Search by Date, format: D-M-Y (Friday-05-2016)  
-s : (Mandatory) Search by the Epoch Timestamp (1458607841)  
-m : (Mandatory) Search by Commit Message
```

Sample Input

Search by Author Name

```
git-find -a "Bassem" -t 11:00
```

Search by Timestamp

```
git-find -s 1458607841
```

Example output:

Search results by Author ("Bassem") - Total: 4

1:: a6745604481f2f50b80fa21b36f6d38d764f6983 - Bassem - Fri Nov 6 02:47:53
2015 +0300 - "Commit Message"
2:: a6745604481f2f50b80fa21b36f6d38d764f6983 - Bassem - Fri Nov 6 02:47:53
2015 +0300 - "Commit Message"
3:: a6745604481f2f50b80fa21b36f6d38d764f6983 - Bassem - Fri Nov 6 02:47:53
2015 +0300 - "Commit Message"
4:: a6745604481f2f50b80fa21b36f6d38d764f6983 - Bassem - Fri Nov 6 02:47:53
2015 +0300 - "Commit Message"