

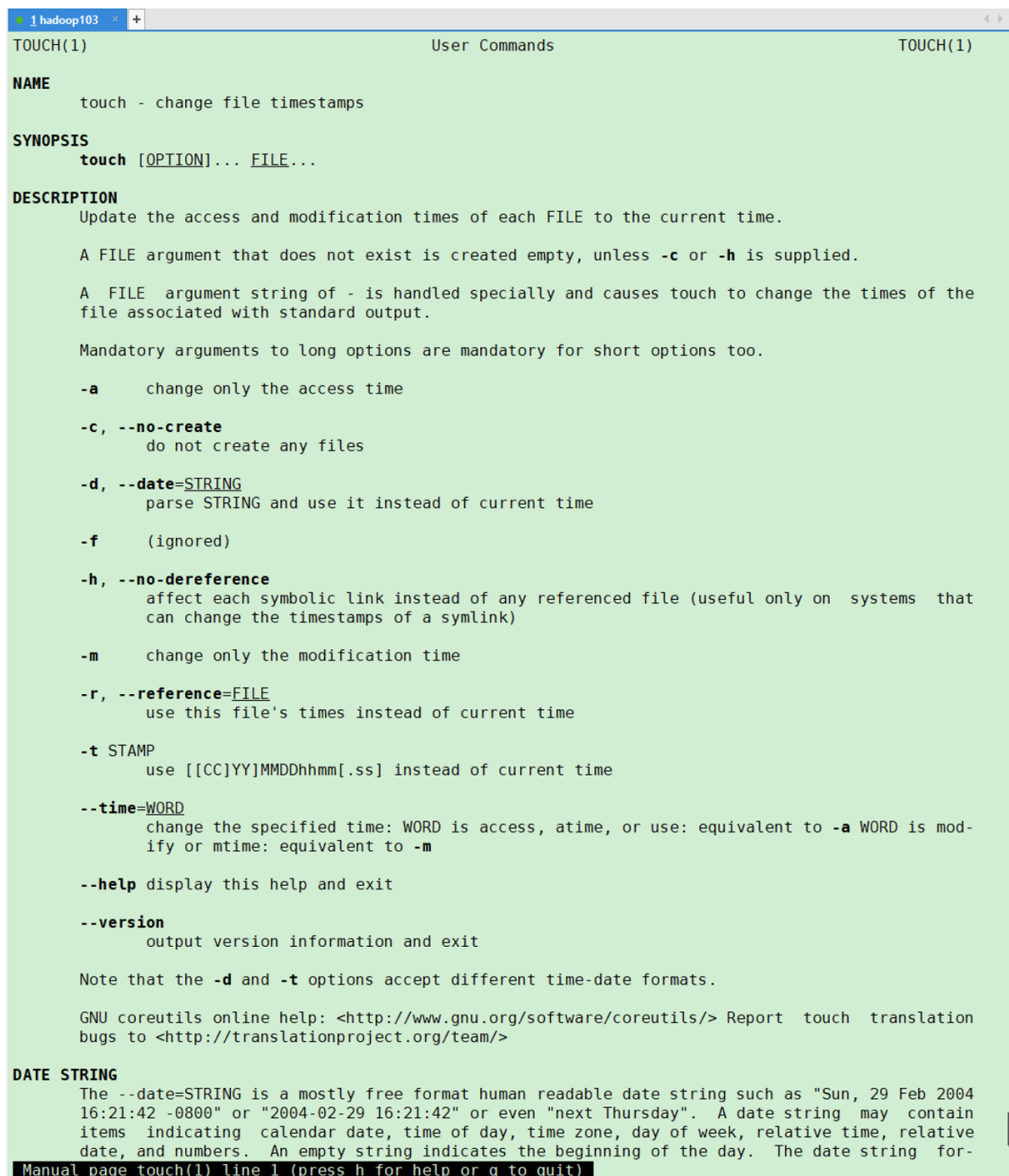
# HW1

## Problem

### 1.mkdir missing

```
[terence@hadoop103 tmp]$ mkdir missing
[terence@hadoop103 tmp]$ ll
total 20
```

### 2.man touch



```
TOUCH(1) User Commands TOUCH(1)

NAME
    touch - change file timestamps

SYNOPSIS
    touch [OPTION]... FILE...

DESCRIPTION
    Update the access and modification times of each FILE to the current time.

    A FILE argument that does not exist is created empty, unless -c or -h is supplied.

    A FILE argument string of - is handled specially and causes touch to change the times of the
    file associated with standard output.

    Mandatory arguments to long options are mandatory for short options too.

    -a      change only the access time

    -c, --no-create
            do not create any files

    -d, --date=STRING
            parse STRING and use it instead of current time

    -f      (ignored)

    -h, --no-dereference
            affect each symbolic link instead of any referenced file (useful only on systems that
            can change the timestamps of a symlink)

    -m      change only the modification time

    -r, --reference=FILE
            use this file's times instead of current time

    -t STAMP
            use [[CC]YY]MMDDhhmm[.ss] instead of current time

    --time=WORD
            change the specified time: WORD is access, atime, or use: equivalent to -a WORD is mod-
            ify or mtime: equivalent to -m

    --help display this help and exit

    --version
            output version information and exit

    Note that the -d and -t options accept different time-date formats.

    GNU coreutils online help: <http://www.gnu.org/software/coreutils/> Report touch translation
    bugs to <http://translationproject.org/team/>

DATE STRING
    The --date=STRING is a mostly free format human readable date string such as "Sun, 29 Feb 2004
    16:21:42 -0800" or "2004-02-29 16:21:42" or even "next Thursday". A date string may contain
    items indicating calendar date, time of day, time zone, day of week, relative time, relative
    date, and numbers. An empty string indicates the beginning of the day. The date string for-
```

Manual page touch(1) line 1 (press h for help or q to quit)

### 3.touch semester

```
[terence@hadoop103 tmp]$ cd missing/
[terence@hadoop103 missing]$ touch semester
[terence@hadoop103 missing]$ ll
total 0
-rw-rw-r--. 1 terence terence 0 May 24 16:58 semester
[terence@hadoop103 missing]$
```

### 4.vim semester :wq

```
#!/bin/sh
curl --head --silent https://github.com/siyuanluo
~
```

### 5../semester

```
[terence@hadoop103 missing]$ ./semester
-bash: ./semester: Permission denied
[terence@hadoop103 missing]$ ll
total 4
-rw-rw-r--. 1 terence terence 60 May 24 16:59 semester
[terence@hadoop103 missing]$
```

because the permission of user terence is read and write but not executable;

### 6.sh semester

```
[terence@hadoop103 missing]$ sh semester
HTTP/1.1 200 OK
Server: GitHub.com
Date: Mon, 24 May 2021 09:04:54 GMT
Content-Type: text/html; charset=utf-8
Vary: X-Requested-With, Accept-Encoding, Accept, X-Requested-With
permissions-policy: interest-cohort=()
ETag: W/"bfb4477136debe71cc4723aeb38c0cd"
Cache-Control: max-age=0, private, must-revalidate
Strict-Transport-Security: max-age=31536000; includeSubdomains; preload
X-Frame-Options: deny
X-Content-Type-Options: nosniff
X-XSS-Protection: 0
Referrer-Policy: origin-when-cross-origin, strict-origin-when-cross-origin
Expect-CT: max-age=2592000, report-uri="https://api.github.com/_private/browser/errors"
Content-Security-Policy: default-src 'none'; base-uri 'self'; block-all-mixed-content; connect-src 'self'
' uploads.github.com www.githubstatus.com collector.githubapp.com api.github.com github-cloud.s3.amazonaws.com
github-production-repository-file-5c1aeb.s3.amazonaws.com github-production-upload-manifest-file-7fdce7.s3.amazonaws.com
github-production-user-asset-6210df.s3.amazonaws.com cdn.optimizely.com logx.optimizely.com/v1/events wss://alive.github.com;
font-src github.githubassets.com; form-action 'self' github.com gist.github.com; frame-ancestors 'none'; frame-src
render.githubusercontent.com; img-src 'self' data: github.githubassets.com identicons.github.com collector.githubapp.com
github-cloud.s3.amazonaws.com secured-user-images.githubusercontent.com/ *.githubusercontent.com; manifest-src 'self';
media-src 'none'; script-src github.githubassets.com; style-src 'unsafe-inline' github.githubassets.com; worker-src
github.com/socket-worker-3f088aa2.js gist.github.com/socket-worker-3f088aa2.js
Set-Cookie: _gh_sess=lgxJdXny9zofYJe7HcL0tdB4WNxbPq3v1b%2B9ja62CptUb%2BrVSzrSeKZHi%2F9NJvqIiX%2BHXF6Gs9p
Tiqdbk5WuHU%2FVdQtoGgNacPxb41XgpqxJQQFbGUMFsHbNmpAusmNJ%2BkzfrVLE%2FaSMZvmJkpUD1QM6Y%2FNFRUwF7bNZ%2B8z%
2F0%2FwHCHL8wTJbDzqdlCseCe30eoBMcCb1I138T%2Fhnedf01pp770VK25NbIyD56%2FAVLvgvz0jLHx%2F6B7NCq57b57T5Ny9hE
S9vVF8cFLC1cQuA%3D%3D--CwfT2hXpk6GGrqUp--%2FHJb1rLb7dROWfdTU8p0ew%3D%3D; Path=/; HttpOnly; Secure; SameSite=Lax
Set-Cookie: _octo=Gh1.1.558867346.1621847094; Path=/; Domain=github.com; Expires=Tue, 24 May 2022 09:04:54 GMT; Secure; SameSite=Lax
Set-Cookie: logged_in=no; Path=/; Domain=github.com; Expires=Tue, 24 May 2022 09:04:54 GMT; HttpOnly; Secure; SameSite=Lax
Accept-Ranges: bytes
X-GitHub-Request-Id: CB10:31B8:8EE54:17419F:60AB6C36
```

## 8.chmod u+x semester

```
[terrace@hadoop103 missing]$ ./semester
HTTP/1.1 200 OK
Server: GitHub.com
Date: Mon, 24 May 2021 09:07:20 GMT
Content-Type: text/html; charset=utf-8
Vary: X-Requested-With, Accept-Encoding, Accept, X-Requested-With
permissions-policy: interest-cohort=()
ETag: W/"75287a504f69b7e9130f0aaf52bee532"
Cache-Control: max-age=0, private, must-revalidate
Strict-Transport-Security: max-age=31536000; includeSubdomains; preload
X-Frame-Options: deny
X-Content-Type-Options: nosniff
X-XSS-Protection: 0
Referrer-Policy: origin-when-cross-origin, strict-origin-when-cross-origin
Expect-CT: max-age=2592000, report-uri="https://api.github.com/_private/browser/errors"
Content-Security-Policy: default-src 'none'; base-uri 'self'; block-all-mixed-content; connect-src 'self'
' uploads.github.com www.githubstatus.com collector.githubapp.com api.github.com github-cloud.s3.amazonaws
ws.com github-production-repository-file-5c1aeb.s3.amazonaws.com github-production-upload-manifest-file-7
fdce7.s3.amazonaws.com github-production-user-asset-6210df.s3.amazonaws.com cdn.optimizely.com logx.opt
imizely.com/vl/events wss://alive.github.com; font-src github.githubassets.com; form-action 'self' githu
b.com gist.github.com; frame-ancestors 'none'; frame-src render.githubusercontent.com; img-src 'self' da
ta: github.githubassets.com identicons.github.com collector.githubapp.com github-cloud.s3.amazonaws.com
secured-user-images.githubusercontent.com/*.githubusercontent.com; manifest-src 'self'; media-src 'none'
; script-src github.githubassets.com; style-src 'unsafe-inline' github.githubassets.com; worker-src git
hub.com/socket-worker-3f088aa2.js gist.github.com/socket-worker-3f088aa2.js
Set-Cookie: _gh_sess=BIR7fmnORUboCrXHJJeMAEnMjDhwCwm4Wif0veNRd8ub9eeK%2F7uZrWYAG0qidXse2Q7kF6zxhCm7m0yaD
VCXUD47gawnKG7QbN9GA4r0hptRwQioN67%2Fc%2Bz4epTND6MTSw4qrTHhdTGLAKoswtvC2bI09kzU7sy5lMqWAVXNAJRQUwUYjvDiz
rIh0zHLvPYiGcGBBIMFwyvYgzK12n%2FJ2Vjv0Na%2Bk5fcbgbPOYU2eYAqcmLV4VqtJ3NoAnIlqN%2BhfRcx9xfa9fv5lH3JmIt2w%
3D%3D--Jgh7lTiaGqbxxe4g--23HYiyavQLGNVh8GjFsivQ%3D%3D; Path=/; HttpOnly; Secure; SameSite=Lax
Set-Cookie: _octo=GHI.1.657581924.1621847239; Path=/; Domain=github.com; Expires=Tue, 24 May 2022 09:07:
19 GMT; Secure; SameSite=Lax
Set-Cookie: logged_in=no; Path=/; Domain=github.com; Expires=Tue, 24 May 2022 09:07:19 GMT; HttpOnly; Se
cure; SameSite=Lax
Accept-Ranges: bytes
X-GitHub-Request-Id: CCAD:6647:1EE8DEB:211C86D:60AB6CC7
```

- ## 9.a single command

```
./semester | grep -i x-github-request-id -> last-modified.txt
[terence@hadoop103 missing]$ ./semester | grep -i x-github-request-id
X-GitHub-Request-Id: D7E4:393E:5DB13D:6C71DE:60AB7091
[terence@hadoop103 missing]$ ./semester | grep -i x-github-request-id -> last-modified.txt
[terence@hadoop103 missing]$ cat last-modified.txt
X-GitHub-Request-Id: D802:4B61:D7C04C:F77163:60AB709C
[terence@hadoop103 missing]$
```