

**Assignment 2-BDA**  
**LINUX LAB DOCUMENT**  
**NAMRA AZIZ**

**Built Ubuntu image and ran the container:**

```
root@b482ca62efdf: /  
Microsoft Windows [Version 10.0.19042.1526]  
(c) Microsoft Corporation. All rights reserved.  
  
C:\Users\Ahson Aziz>docker images  
REPOSITORY          TAG         IMAGE ID      CREATED       SIZE  
ubuntu              20.04      54c9d81cbb44  2 weeks ago  72.8MB  
nginx               latest     c316d5a335a5  3 weeks ago  142MB  
docker/getting-started latest     26d80cd96d69  2 months ago 28.5MB  
alpine/git          latest     c6b70534b534  2 months ago 27.4MB  
docker/whalesay      latest     6b362a9f73eb  6 years ago  247MB  
  
C:\Users\Ahson Aziz>docker run ubuntu  
Unable to find image 'ubuntu:latest' locally  
latest: Pulling from library/ubuntu  
Digest: sha256:669e010b58baf5beb2836b253c1fd5768333f0d1dbcb834f7c07a4dc93f474be  
Status: Downloaded newer image for ubuntu:latest  
  
C:\Users\Ahson Aziz>docker run --name MyContainer -it ubuntu bash  
root@b482ca62efdf:/#
```

**Topic: Grep and file comparisons:**

**Created a file names fruits:**

```
root@b482ca62efdf:/# cat>fruits  
Apple  
Apricot  
Avocado  
Banana  
Blackberry  
Blueberry  
Cherry  
Coconut  
Cucumber  
Durian  
Dragonfruit  
Fig  
Gooseberry  
Grape  
Guava  
Jackfruit  
Plum  
Kiwifruit  
Kumquat  
Lemon  
Lime
```

Used 'Grep' utility to find a certain character:

```
root@b482ca62efdf:/# grep "s" fruits
Gooseberry
Passionfruit
Persimmon
Raspberry
Soursop
root@b482ca62efdf:/#
```

Used basic elements with grep to locate c[vowels]t:

```
root@b482ca62efdf:/# grep "c[aeiou]t" fruits
Apricot
root@b482ca62efdf:/#
```

Located character d:

```
root@b482ca62efdf:/# grep "[0-9]" fruits
root@b482ca62efdf:/# grep "\d" fruits
Avocado
Tamarindo
root@b482ca62efdf:/#
```

Used 'egrep' utility with negated form of character classes:

```
root@b482ca62efdf:/# egrep "\w" fruits
Apple
Apricot
Avocado
Banana
Blackberry
Blueberry
Cherry
Coconut
Cucumber
Durian
Dragonfruit
Fig
Gooseberry
Grape
Guava
Jackfruit
Plum
Kiwifruit
Kumquat
Lemon
Lime
Mango
Watermelon
Mulberry
Orange
Papaya
Passionfruit
```

Used "egrep" to locate s:

```
Yuzu
root@b482ca62efdf:/# egrep "\s" fruits
Star fruit
root@b482ca62efdf:/# egrep "^s" fruits
root@b482ca62efdf:/# egrep "^S" fruits
Soursop
Star fruit
Strawberry
root@b482ca62efdf:/#
```

Used \$ sign to locate 'h' at the end of a string:

```
root@b482ca62efdf:/# egrep "h$" fruits
Peach
root@b482ca62efdf:/#
```

Created a file for numbers and searched phone number pattern using sample regex:  
The pattern provided helped in filtering out valid phone numbers.

```
root@b482ca62efdf:/# cat>phonebook
223-435-4354
245-345-2335
234-565-6789
546-786-5677
435-676-5467
345-687-4566
358-57-7
567-678-76
5678-879
566-897-786
657-898-4566^C
root@b482ca62efdf:/# egrep "[0-9]{3}-[0-9]{3}-[0-9]{4}$" phonebook
223-435-4354
245-345-2335
234-565-6789
546-786-5677
435-676-5467
345-687-4566
```

Created 2 files for comparing:

```
root@b482ca62efdf:/# cat>file1
abc
bac
cad
def
eac
^C
root@b482ca62efdf:/# cat>file2
bac
cello
dell
eana
^C
```

Applied “cmm” command to select common characters of both files. Here 1<sup>st</sup> column shows characters that are in file1 but not in 2. 2<sup>nd</sup> column shows the characters that are only in file 2, and 3<sup>rd</sup> column shows characters that are common in both files:

```
root@b482ca62efdf:/# comm file1 file2
abc
          bac
cad
      cello
def
      dell
eac
      eana
```

We can use switches as well to suppress the column we don't want to be displayed:

Here, "-1" will suppress the 1<sup>st</sup> column, "-2" will suppress the 2<sup>nd</sup> column, and "-3" will suppress 3<sup>rd</sup> column. Moreover, switches can be used in combination. "-12" will suppress column 1 and 2:

```
root@b482ca62efdf:/# comm -1 file1 file2
      bac
cello
dell
eana
root@b482ca62efdf:/# comm -2 file1 file2
abc
      bac
cad
def
eac
root@b482ca62efdf:/# comm -12 file1 file2
bac
```

Created two files with strings and compared them. "cmp" will tell us after how many bytes has the whole character string differed. Here, byte7 means that at 7<sup>th</sup> index(space inclusive), the character differed:

```
root@b482ca62efdf:/# cat>filex
hello how are you
^C
root@b482ca62efdf:/# cat>filey
hello I am fine
^C
root@b482ca62efdf:/# cmp filex filey
filex filey differ: char 7, line 1
```

Created 2 files with 3 lines of strings. Used 'diff' command which tells us how to make one file identical to the other one. Here, we get 1,2c1,2 which means line 1 and 2 of 1<sup>st</sup> file should be changed to line 1 and 2 of 2<sup>nd</sup> file in order to make both files identical:

```
root@b482ca62efdf:/# cat>filez
hello
what
yes
^C
root@b482ca62efdf:/# cat>filea
Hi
why
yes
^C
root@b482ca62efdf:/# diff filez filea
1,2c1,2
< hello
< what
---
> Hi
> why
root@b482ca62efdf:/# cat>emp
```

Created a file for employees record. Two records are duplicated of which one is written in consecutive order. "uniq" command will duplicate entry that is consecutive(only):

```
root@b482ca62efdf:/# cat>emp
E001 Shagufta c001 MKT
E002 Shika c002 MKT
E003 Anurag c003 Prod
E003 Anurag c003 Prod
E004 Madhu c004 Sales
^C
root@b482ca62efdf:/# uniq emp
E001 Shagufta c001 MKT
E002 Shika c002 MKT
E003 Anurag c003 Prod
E004 Madhu c004 Sales
root@b482ca62efdf:/# uniq -u emp
E001 Shagufta c001 MKT
E002 Shika c002 MKT
E004 Madhu c004 Sales
```

Used '-u' for displaying unique records. Again, it will only delete the consecutive record that duplicated. In this case, it is E003 that gets deleted:

```
root@b482ca62efdf:/# uniq -u emp
E001 Shagufta c001 MKT
E002 Shika c002 MKT
E004 Madhu c004 Sales
```

'-d' will display the duplicate entry that is consecutive. Here again, only E003 is displayed since it is right after its duplicate.

```
root@b482ca62efdf:/# uniq -d emp
E003 Anurag c003 Prod
```

'-c' will show the count of how many times the repeated + consecutive entry appeared. For E003, count is 2, and 1 for everyone else:

```
E004 Madhu c004 Sales
root@b482ca62efdf:/# uniq -d emp
E003 Anurag c003 Prod
root@b482ca62efdf:/# uniq -c emp
  1 E001 Shagufta c001 MKT
  1 E002 Shika c002 MKT
  2 E003 Anurag c003 Prod
  1 E004 Madhu c004 Sales
```

## TOPIC: PIPE OPERATOR:

Used 'fruits' file and '|' pipe operator to run two commands. One to display content and filter it to the other command. Next command is grep. '-i' will filter all upper and lower case 'a' and match:

```
Yuzuroot@b482ca62efdf:/# cat fruits | grep -i a
Apple
Apricot
Avocado
Banana
Blackberry
Durian
Dragonfruit
Grape
Guava
Jackfruit
Kumquat
Mango
Watermelon
Orange
Papaya
Passionfruit
Peach
Pear
Pineapple
Raspberry
Star fruit
Strawberry
Tamarind
root@b482ca62efdf:/#
```

Sort command is used to sort contents in alphabetical order:

```
root@b482ca62efdf:/# sort fruits
Apple
Apricot
Avocado
Banana
Blackberry
Blueberry
Cherry
Coconut
Cucumber
Dragonfruit
Durian
Fig
Gooseberry
Grape
Guava
Jackfruit
Kiwifruit
Kumquat
Lemon
Lime
Mango
Mulberry
```

Sort -r is used to sort in reverse of alphabetical order:

```
root@b482ca62efdf:/# sort -r fruits
Yuzu
Watermelon
Tamarind
Strawberry
Star fruit
Soursop
Raspberry
Quince
Plum
Pineberry
Pineapple
Persimmon
Pear
Peach
Passionfruit
Papaya
Orange
Mulberry
Mango
Lime
Lemon
Kumquat
Kiwifruit
```



Pipe operator is sending fruits content to grep command, which is using '-v' to not show characters that have 'a' (lowercase) in it:

```
root@b482ca62efdf:/# cat fruits | grep -v a
Apple
Apricot
Blueberry
Cherry
Coconut
Cucumber
Fig
Gooseberry
Plum
Kiwifruit
Lemon
Lime
Mulberry
Persimmon
Pineberry
Quince
Soursop
Yuzu
```

Used pipe twice to run 3 commands. 1<sup>st</sup> is to filter all contents, second to not show strings containing letter a, and 3<sup>rd</sup> to sort the filtered result in revers order:

```
root@b482ca62efdf:/# cat fruits | grep -v a | sort -r
Yuzu
Soursop
Quince
Plum
Pineberry
Persimmon
Mulberry
Lime
Lemon
Kiwifruit
Gooseberry
Fig
Cucumber
Coconut
Cherry
Blueberry
Apricot
Apple
```

## TOPIC: CURL AND WGET UTILITIES:

Used 'apt-get update' to update all packages and then installed curl:

```
E: Unable to locate package curl
root@b482ca62efdf:/# apt-get install curl
Reading package lists... Done
Building dependency tree
Reading state information... Done
E: Unable to locate package curl
root@b482ca62efdf:/# apt-get update
Get:1 http://archive.ubuntu.com/ubuntu focal InRelease [265 kB]
Get:2 http://security.ubuntu.com/ubuntu focal-security InRelease [114 kB]
Get:3 http://security.ubuntu.com/ubuntu focal-security/universe amd64 Packages [840 kB]
Get:4 http://archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]
Get:5 http://archive.ubuntu.com/ubuntu focal-backports InRelease [108 kB]
Get:6 http://archive.ubuntu.com/ubuntu focal/multiverse amd64 Packages [177 kB]
Get:7 http://archive.ubuntu.com/ubuntu focal/universe amd64 Packages [11.3 MB]
Get:8 http://security.ubuntu.com/ubuntu focal-security/multiverse amd64 Packages [25.8 kB]
Get:9 http://security.ubuntu.com/ubuntu focal-security/restricted amd64 Packages [961 kB]
Get:10 http://security.ubuntu.com/ubuntu focal-security/main amd64 Packages [1547 kB]
Get:11 http://archive.ubuntu.com/ubuntu focal/restricted amd64 Packages [33.4 kB]
Get:12 http://archive.ubuntu.com/ubuntu focal/main amd64 Packages [1275 kB]
Get:13 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 Packages [1973 kB]
Get:14 http://archive.ubuntu.com/ubuntu focal-updates/restricted amd64 Packages [1030 kB]
Get:15 http://archive.ubuntu.com/ubuntu focal-updates/multiverse amd64 Packages [29.4 kB]
Get:16 http://archive.ubuntu.com/ubuntu focal-updates/universe amd64 Packages [1134 kB]
Get:17 http://archive.ubuntu.com/ubuntu focal-backports/universe amd64 Packages [24.8 kB]
Get:18 http://archive.ubuntu.com/ubuntu focal-backports/main amd64 Packages [50.8 kB]
Fetched 21.0 MB in 50s (418 kB/s)
Reading package lists... Done
root@b482ca62efdf:/#
```

```
root@b482ca62efdf:/#
Get:10 http://security.ubuntu.com/ubuntu focal-security/main amd64 Packages [1547 kB]
Get:11 http://archive.ubuntu.com/ubuntu focal/restricted amd64 Packages [33.4 kB]
Get:12 http://archive.ubuntu.com/ubuntu focal/main amd64 Packages [1275 kB]
Get:13 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 Packages [1973 kB]
Get:14 http://archive.ubuntu.com/ubuntu focal-updates/restricted amd64 Packages [1030 kB]
Get:15 http://archive.ubuntu.com/ubuntu focal-updates/multiverse amd64 Packages [29.4 kB]
Get:16 http://archive.ubuntu.com/ubuntu focal-updates/universe amd64 Packages [1134 kB]
Get:17 http://archive.ubuntu.com/ubuntu focal-backports/universe amd64 Packages [24.8 kB]
Get:18 http://archive.ubuntu.com/ubuntu focal-backports/main amd64 Packages [50.8 kB]
Fetched 21.0 MB in 50s (418 kB/s)
Reading package lists... Done
root@b482ca62efdf:/# apt-get -y install curl
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  ca-certificates krb5-locales libasn1-8-heimdal libbrotli1 libcurl4 libgssapi-krb5-2 libgssapi3-heimdal
  libhcrypto4-heimdal libheimbase1-heimdal libheimntlm0-heimdal libhx509-5-heimdal libk5crypto3 libkeyutils1
  libkrb5-26-heimdal libkrb5-3 libkrb5support0 libldap-2.4-2 libldap-common libnghttp2-14 libpsl5 libroken18-heimdal
  librtmp1 libssl1.2-2 libssl2-modules libssl2-modules-db libsqlite3-0 libssh-4 libssl1.1 libwind0-heimdal openssl
  publicsuffix
Suggested packages:
  krb5-doc krb5-user libssl2-modules-gssapi-mit | libssl2-modules-gssapi-heimdal libssl2-modules-ldap
  libssl2-modules-otp libssl2-modules-sql
The following NEW packages will be installed:
  ca-certificates curl krb5-locales libasn1-8-heimdal libbrotli1 libcurl4 libgssapi-krb5-2 libgssapi3-heimdal
  libhcrypto4-heimdal libheimbase1-heimdal libheimntlm0-heimdal libhx509-5-heimdal libk5crypto3 libkeyutils1
  libkrb5-26-heimdal libkrb5-3 libkrb5support0 libldap-2.4-2 libldap-common libnghttp2-14 libpsl5 libroken18-heimdal
  librtmp1 libssl1.2-2 libssl2-modules libssl2-modules-db libsqlite3-0 libssh-4 libssl1.1 libwind0-heimdal openssl
  publicsuffix
0 upgraded, 32 newly installed, 0 to remove and 9 not upgraded.
Need to get 5447 kB of archives.
After this operation, 16.7 MB of additional disk space will be used.
Get:1 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 libssl1.1 amd64 1.1.1f-1ubuntu2.10 [1322 kB]
Get:2 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 openssl amd64 1.1.1f-1ubuntu2.10 [620 kB]
Get:3 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 ca-certificates all 20210119~20.04.2 [145 kB]
Get:4 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 libsqlite3-0 amd64 3.31.1-4ubuntu0.2 [549 kB]
Get:5 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 krb5-locales all 1.17-6ubuntu4.1 [11.4 kB]
Get:6 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 libkrb5support0 amd64 1.17-6ubuntu4.1 [30.9 kB]
Get:7 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 libk5crypto3 amd64 1.17-6ubuntu4.1 [79.9 kB]
Get:8 http://archive.ubuntu.com/ubuntu focal/main amd64 libkeyutils1 amd64 1.6-6ubuntu1 [10.2 kB]
Get:9 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 libkrb5-3 amd64 1.17-6ubuntu4.1 [330 kB]
Get:10 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 libgssapi-krb5-2 amd64 1.17-6ubuntu4.1 [121 kB]
Get:11 http://archive.ubuntu.com/ubuntu focal/main amd64 libpsl5 amd64 0.21.0-1ubuntu1 [51.5 kB]
```

Curl <URL> command will fetch content from webpage of the indicated URL. Here we used google.com:

```
Setting up libheimntlm0-heimdal:amd64 (7.7.0+dfsg-1ubuntu1) ...
Setting up libgssapi3-heimdal:amd64 (7.7.0+dfsg-1ubuntu1) ...
Setting up libldap-2.4-2:amd64 (2.4.49+dfsg-2ubuntu1.8) ...
Setting up libcurl4:amd64 (7.68.0-1ubuntu2.7) ...
Setting up curl (7.68.0-1ubuntu2.7) ...
Processing triggers for libc-bin (2.31-0ubuntu9.2) ...
Processing triggers for ca-certificates (20210119~20.04.2) ...
Updating certificates in /etc/ssl/certs...
0 added, 0 removed; done.
Running hooks in /etc/ca-certificates/update.d...
done.
root@b482ca62efdf:/# curl google.com
<HTML><HEAD><meta http-equiv="content-type" content="text/html; charset=utf-8"
<TITLE>301 Moved</TITLE></HEAD><BODY>
<H1>301 Moved</H1>
The document has moved
<A HREF="http://www.google.com/">here</A>.
</BODY></HTML>
```

In order to fetch output into a file, we use stdout operator (>). Sending data from a webpage to that file. Here we are sending data from google.com to google.html file:

```
root@b482ca62efdf:/# curl www.google.com>google.html
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left   Speed
100 14993    0 14993    0     0  20454      0  --:--:-- --:--:-- --:--:-- 20426
root@b482ca62efdf:/#
```

Display content of google.html to see the content:

```
root@b482ca62efdf:/# cat google.html
<!doctype html><html itemscope="" itemtype="http://schema.org/WebPage" lang="en-PK"><head><meta content="text/html; charset=UTF-8" http-equiv="Content-Type"><meta content="/images/branding/googleg/1x/googleg_standard_color_128dp.png" itemprop="image"><title>Google</title><script nonce="oeqKpNuCtavkpVQWw8R7A==">(function(){window.google=(kEI:'PUQNYrzsHL2R4-EPjYCBYAc',kEXPI:'0,1302530,56879,1710,4348,207,4804,2316,383,246,5,1354,4013,1238,1122515,1197775,647,380068,16115,28684,17572,4859,1361,9290,3021,2823,14765,4020,978,13228,3847,4192,6430,22741,5081,1593,1279,2742,149,1103,840,2196,4101,109,3405,606,2023,1777,520,14670,3227,2845,7,17450,7540,8780,908,2,940,2615,13142,3,576,1014,1,5445,148,11323,966,1686,4,1528,2304,7039,20309,4764,2658,7357,30,901,12727,2305,2132,16786,5800,2557,4097,4049,3,3541,1,14261,2546,38,25309,2,15953,784,2554,4550,744,5852,9326,1137,1160,6700,2380,2718,18233,46,2,6,1,7736,2123,2444,2578,10,3671,6717,5297,2,11402,830,422,4570,2,6,1,1256,14968,1550,2782,4677,340,1014,59,58,1336,445,2,2,1,5656,739,4395,167,348,1193,9936,1349,845,1557,10,1,436,285,761,7109,113,2147,991,2,1,1912,5,466,945,930,56,2,793,1,2,9561,16,330,2769,1019,38,217,1944,178,1248,1948,1768,12,2,53,12,286,48,1802,285,903,2,6,1,299,592,317,630,57,2025,660,3,463,61,116,197,657,720,1063,125,7,499,67,42,1,133,208,94,246,6,4651,1002,2421,5476208,2031,930,269,8796812,882,444,1,2,80,1,1796,1,2562,1,748,141,795,563,1,4265,1,1,2,1331,4142,2609,155,1713,72,139,4,2,20,2,169,13,19,46,5,39,96,548,29,2,2,1,2,1,2,2,7,4,1,2,2,2,2,2,2,353,513,186,1,1,158,3,2,2,2,2,2,4,2,3,3,269,1601,141,97,295,184,62,64,13,1,175,1,23952089,4041689,3,450,1964,1491,9,1435,159,1358,4726,3,925,320,20,908,489,1803,1056,476,194,1698',kBL:'2E7f'};google.sn='webhp';google.kHL='en-PK';})();(function(){var f=this||self;var h,k=[];function l(a){for(var b;a&&(!a.getAttribute||!(b=a.getAttribute("eid"))));)a=a.parentNode;return b||h}function m(a){for(var b=null;a&&(!a.getAttribute||!(b=a.getAttribute("leid"))));)a=a.parentNode;return b}function n(a,b,c,d,g){var e="";c||-1!==b.search("&ei=")||e="&ei="+l(d),-1===b.search("&lei=")&&(d=m(d))&&(e+="&lei="+d));d="";!c&&f._cschid&&-1===b.search("&cschid=")&&"slh"!=="a&&(d="&cschid="+f._cschid);c=c||"/"+(g||"gen_204")+"?atyp=i&ct="+a+"&cad="+b+e+"&zx="+Date.now()+d;/^http:\/i.test(c)&&"https:"===window.location.protocol&&(google.ml&&google.ml(Error("a"),!1,{src:c,glmm:1}),c="");return c};h=google.kEI;google.getEI=l;google.getLEI=m;google.ml=function(){return null};google.log=g=function(a,b,c,d,g){if(c=n(a,b,c,d,g)){a=new Image;var e=k.length;k[e]=a;a.onerror=a.onload=a.onabort=function(){delete k[e];a.src=c};google.logUrl=n;}).call(this);(function(){google.y={};google.sy=[];google.x=function(a,b){if(a var c=a.id;else{do c=Math.random();while(google.y[c])}google.y[c]=[a,b];return 1};google.sx=function(a){google.sy.push(a)};google.lm=[];google.plm=function(a){google.lm.push.apply(google.lm,a)};google.lq=[];google.load=function(a,b,c){google.lq.push([[a],b,c)]};google.loadAll=function(a,b){google.lq.push([a,b]);google.bx=!1;google.lx=function(){}}.call(this);google.f={};(function(){
```

Installed wget using apt-get install wget: Wget is used to download any file from internet.

```
bash: wget: command not found
root@b482ca62efdf:/# apt-get install wget
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following NEW packages will be installed:
  wget
0 upgraded, 1 newly installed, 0 to remove and 9 not upgraded.
Need to get 348 kB of archives.
After this operation, 1012 kB of additional disk space will be used.
Get:1 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 wget amd64 1.20.3-1ubuntu2 [348 kB]
Fetched 348 kB in 2s (222 kB/s)
debconf: delaying package configuration, since apt-utils is not installed
Selecting previously unselected package wget.
(Reading database ... 4660 files and directories currently installed.)
Preparing to unpack .../wget_1.20.3-1ubuntu2_amd64.deb ...
Unpacking wget (1.20.3-1ubuntu2) ...
Setting up wget (1.20.3-1ubuntu2) ...
root@b482ca62efdf:/#
```

Now, I inspected google.com webpage, copied Google image source to URL and then used it with wget to download that image to computer using 'wget <URL>' command:

```
root@b482ca62efdf:/# wget www.google.com/images/branding/googlelogo/1x/googlelogo_color_272x92dp.png
--2022-02-16 18:42:36-- http://www.google.com/images/branding/googlelogo/1x/googlelogo_color_272x92dp.png
Resolving www.google.com (www.google.com)... 216.58.207.4, 2a00:1450:4019:809::2004
Connecting to www.google.com (www.google.com)|216.58.207.4|:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 5969 (5.8K) [image/png]
Saving to: 'googlelogo_color_272x92dp.png'

googlelogo_color_272x92dp.png 100%[=====>] 5.83K --.-KB/s in 0.007s

2022-02-16 18:42:36 (832 KB/s) - 'googlelogo_color_272x92dp.png' saved [5969/5969]
```