UNIVERSIDA AUTONOMA

DEL ESTADO DE MEXICO

KARLA ZARET VAZQUEZ LEDO

SISTEMAS OPERATIVOS

HASH EN LOS SH

7MO SEMESTRE

27/11/25

```
karli@KARLA:~$ md5sum archivo.sh
7843bf8d9ef65f942a3d1ed2b64969c6  archivo.sh
karli@KARLA:~$ sha1sum archivo.sh
6d4da0270e9e27199c22cbd2fcaf08bfa57ee257  archivo.sh
karli@KARLA:~$ sha224sum archivo.sh
bb7d6fee5f80dce4f951625a21b188a87d07e38f1f211801a723bc7d  archivo.sh
karli@KARLA:~$ sha256sum archivo.sh
7bb4558a9d3f9be658f31a237d3cd79e226f03c8de20021f0dc093f3b6542819  ar
hivo.sh
karli@KARLA:~$ sha384sum archivo.sh
c8f2881114a934234634f6e2312c27dbe91cf7fcc6f39eb8757a879e76cd6f570971
72417a0791d15962458a9f2d4ce  archivo.sh
karli@KARLA:~$ sha512sum archivo.sh
1ea2b9e7964aa3a5d99598496fcfda105044e90c9123a584ee2798add2cf19e1908c
b166463f31426b5cf535683b2e279e0f730450baecb39f9d2ab56bccdd3  archivo
sh
karli@KARLA:~$
```

```
72417a0791d15962458a9f2d4ce  archivo.sh
karli@KARLA:~$ sha512sum archivo.sh
1ea2b9e7964aa3a5d99598496fcfda105044e90c9123a584ee2798add2cf19e1908c4
b166463f31426b5cf535683b2e279e0f730450baecb39f9d2ab56bccdd3  archivo.
sh
karli@KARLA:~$ ls -la *.sh
-rwxr-xr-x 1 root root 304 Nov  7 13:16 archivo.sh
-rwxr-xr-x 1 root root 423 Oct 23 14:38 backup_dir1.sh
-rwxr-xr-x 1 root root 225 Oct 17 09:21 case.sh
-rwxr-xr-x 1 root root 119 Oct 17 09:15 cinco.sh
-rwxr-xr-x 1 root root 210 Nov  7 13:17 contar.sh
-rwxr-xr-x 1 root root 475 Oct 23 14:42 control_carpetas.sh
-rwxr-xr-x 1 root root 168 Nov  7 13:14 ejemplo.sh
-rwxr-xr-x 1 root root 105 Oct 17 09:20 for.sh
-rwxr-xr-x 1 root root  85 Oct 17 09:08 hello.sh
-rwxr-xr-x 1 root root  73 Oct 17 09:11 myDir.sh
-rwxr-xr-x 1 root root 188 Nov 14 16:09 suma.sh
-rwxr-xr-x 1 root root 179 Nov  7 13:15 suma1.sh
-rwxr-xr-x 1 root root  73 Oct 17 09:05 testFunction.sh
karli@KARLA:~$ md5sum backup_dirl.sh
md5sum: backup_dirl.sh: No such file or directory
karli@KARLA:~$ md5sum backup_dir1.sh
b3e0914d31fa82c35448c2db3d566759  backup_dir1.sh
karli@KARLA:~$ sha1sum backup_dir1.sh
043aa95b6cea4da769eb3685e5515f178c062c4b  backup_dir1.sh
karli@KARLA:~$ sha224sum backup_dir1.sh
96593acb539d87bcf68d792a2679e9dcda8d59f1d4eda4775c045433  backup_dir1
.sh
karli@KARLA:~$ sha256sum backup_dir1.sh
de6149f83b7fe0c51e28faef462cf20f0e3cc5786da7f46401e67cf5ae02915c  bac
kup_dir1.sh
karli@KARLA:~$ sha384sum backup_dir1.sh
f53bd1f0d623001aa3003dfbe870c495be0f8798bdf869dffa7611f4b57ce752d9760
8df40314ef48cda510272e74719  backup_dir1.sh
karli@KARLA:~$ sha512sum backup_dir1.sh
780edc24026c851e23c156c0e81fffce76435497636d52a49a6824447a04b9fcbea89
998d6eedf7013b65008592b08fd98b0720976b496c7a8aaf9390521642f  backup_d
ir1.sh
```

```
karli@KARLA:~$ ls -la *.sh
-rwxr-xr-x 1 root root 304 Nov  7 13:16 archivo.sh
-rwxr-xr-x 1 root root 423 Oct 23 14:38 backup_dir1.sh
-rwxr-xr-x 1 root root 225 Oct 17 09:21 case.sh
-rwxr-xr-x 1 root root 119 Oct 17 09:15 cinco.sh
-rwxr-xr-x 1 root root 210 Nov  7 13:17 contar.sh
-rwxr-xr-x 1 root root 475 Oct 23 14:42 control_carpetas.sh
-rwxr-xr-x 1 root root 168 Nov  7 13:14 ejemplo.sh
-rwxr-xr-x 1 root root 105 Oct 17 09:20 for.sh
-rwxr-xr-x 1 root root  85 Oct 17 09:08 hello.sh
-rwxr-xr-x 1 root root  73 Oct 17 09:11 myDir.sh
-rwxr-xr-x 1 root root 188 Nov 14 16:09 suma.sh
-rwxr-xr-x 1 root root 179 Nov  7 13:15 suma1.sh
-rwxr-xr-x 1 root root  73 Oct 17 09:05 testFunction.sh
karli@KARLA:~$ md5sum case.sh
38725f94701330cd0474e403d6be4a14  case.sh
karli@KARLA:~$ sha1sum case.sh
3437b7d5ee14722dd2f122ec7d128cc4f96a9fbe  case.sh
karli@KARLA:~$ sha224sum case.sh
50666d7d3056f8cfc4a7a64a01adc25bc5c83121deb7887bad9dc17d  case.sh
karli@KARLA:~$ sha256sum case.sh
2103454d56e9a937051b637386c5f55dc8d1524c996c0787156ba015460d6dfa  cas
e.sh
karli@KARLA:~$ sha384sum case.sh
ee7f4f38d6e82f4d5ca07257b1b95cdd42c8de5cf137c8cae19ca5c8ac81c9f817b01
a65f2703fbca9162f350ea7cce9  case.sh
karli@KARLA:~$ sha512sum case.sh
fea31e4789d95752215edbf8a98c3f576effaab1913789a3bff227d0285a84a6f5d59
9319c8bf316548de44124256af9627131a86449a8a4752219f003aafbb8  case.sh
karli@KARLA:~$
```

```
karli@KARLA:~$ md5sum cinco.sh
db9d2c4a709e180e4977ebb7fd16421b  cinco.sh
karli@KARLA:~$ sha1sum cinco.sh
d758851fe1abd4c7762011a50e594a97a58b9fc4  cinco.sh
karli@KARLA:~$ sha224sum cinco.sh
8e6061f3acfacbb965d9141907f2088d11425a1780f96a583d6af14b  cinco.sh
karli@KARLA:~$ sha256sum cinco.sh
4df58fb3b7d28579b2e6fe4c25913e005929d7a7a786935f13b87efdcbe827dc  cin
co.sh
karli@KARLA:~$ sha384sum cinco.sh
2de9b167db3fc26ccedf8140f0e869da69b4418e694735a04a8361c8a460fe24ac726
ceb7991805d6e0537ad53545d91  cinco.sh
karli@KARLA:~$ sha512sum cinco.sh
bbc5fa15ef85a8a323d7c6f8886d626af3deaa9d0430a2219a40ae3475120adc20405
259d682b279f357dc6d08c41ccb5bf0473db39b2e9d7e0dd2ae8dd01b23  cinco.sh
karli@KARLA:~$
```
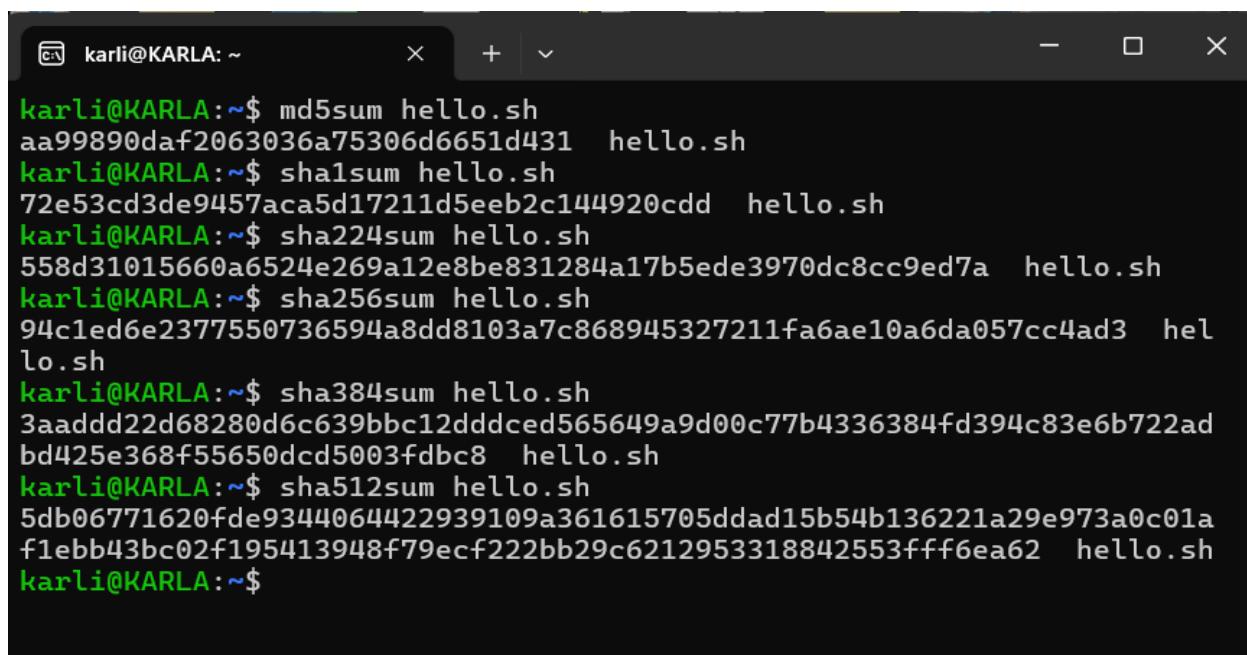
```
karli@KARLA:~$ md5sum contar.sh
a1818d1928e0595a600be04d1181966e  contar.sh
karli@KARLA:~$ sha1sum contar.sh
bbb9765be5e99069b07fe6e3ba31e548aee967b1  contar.sh
karli@KARLA:~$ sha224sum contar.sh
e1b6fe682872ea9728c461754c44288914ed77af3e3b15df6717a289  contar.sh
karli@KARLA:~$ sha256sum contar.sh
3e52b13d8fe5667e5ed890de5d89c274c1a23a5a12242715901f90e0657fda15  con
tar.sh
karli@KARLA:~$ sha384sum contar.sh
8e0bc0fedfe9212667c70e670f2a598764915ae7860b00a01e45fa94d4fd5b6e1b972
3dcd535a03a526b8508ec623454  contar.sh
karli@KARLA:~$ sha512sum contar.sh
5796f487996aaac2635fe30454ff5c1d79f61bd89e05c514eae0030d5eb6cdda16588
21c56560d02fdbb910dce5751dd19211c4fdd3d1d667c378eeb0b7ff96e  contar.s
h
```

```
karli@KARLA:~$ md5sum control_carpetas.sh
127b5cc5d0e0164724b140eb94e2c4d3  control_carpetas.sh
karli@KARLA:~$ sha1sum control_carpetas.sh
b59acc1678f5b7ef49f336bc89513e71541678f9  control_carpetas.sh
karli@KARLA:~$ sha224sum control_carpetas.sh
85733036d0cbce1a779967c9ecd5027bb59fd9f75e32975514ff9da4  control_car
petas.sh
karli@KARLA:~$ sha256sum control_carpetas.sh
4f3edea65c2d19fe07d326ba0ca6edae6b225747401b43c17f75dd26ac003496  con
trol_carpetas.sh
karli@KARLA:~$ sha384sum control_carpetas.sh
8ad4ffe44bc44b1f4a74ea9f6e34572258b748a3ef059a8eea3324fb6c69ef8122d4c
bad491a2c0fb40c357a59a9d00f  control_carpetas.sh
karli@KARLA:~$ sha512sum control_carpetas.sh
2187859942920124e07e216c3c69b379d23b35ddf8855b5d07a39fd7e1b97afa55ad4
cde6f2080c0f223581066ee304037095afc3cb74b8615c90d254443a48d  control_
carpetas.sh
```

```
karli@KARLA: ~              ×    +  ∨                    —    □    ×

karli@KARLA:~$ md5sum ejemplo.sh
881de2ba4015da252b4f53f673668ed4  ejemplo.sh
karli@KARLA:~$ sha1sum ejemplo.sh
6d0ace996f88ab3b88f7fe7e699ef1762eb40052  ejemplo.sh
karli@KARLA:~$ sha224sum ejemplo.sh
9288bc1ae85cdf667ed4c36a312d27dcacf93ae4eff0b84fceac444c  ejemplo.sh
karli@KARLA:~$ sha256sum ejemplo.sh
21ab870371dfd8e47256ad12d8316265069173f2040fbf16b2a8beba869cde8c  eje
mplo.sh
karli@KARLA:~$ sha384sum ejemplo.sh
a70b377828e436ccf20a4be49a57537a9a41a6a308d2bb0158456c1cd49b29e0e9536
1a0f9f386e169c8c23328e24655  ejemplo.sh
karli@KARLA:~$ sha512sum ejemplo.sh
7722176e80affa64db8ea45168918453966b754ac63c0c33d94e6ee9c529d2d76cac7
25ba7bd000e027dead00c9677d50cadcad8c0a30e806fe214ca53e2bf3c  ejemplo.
```
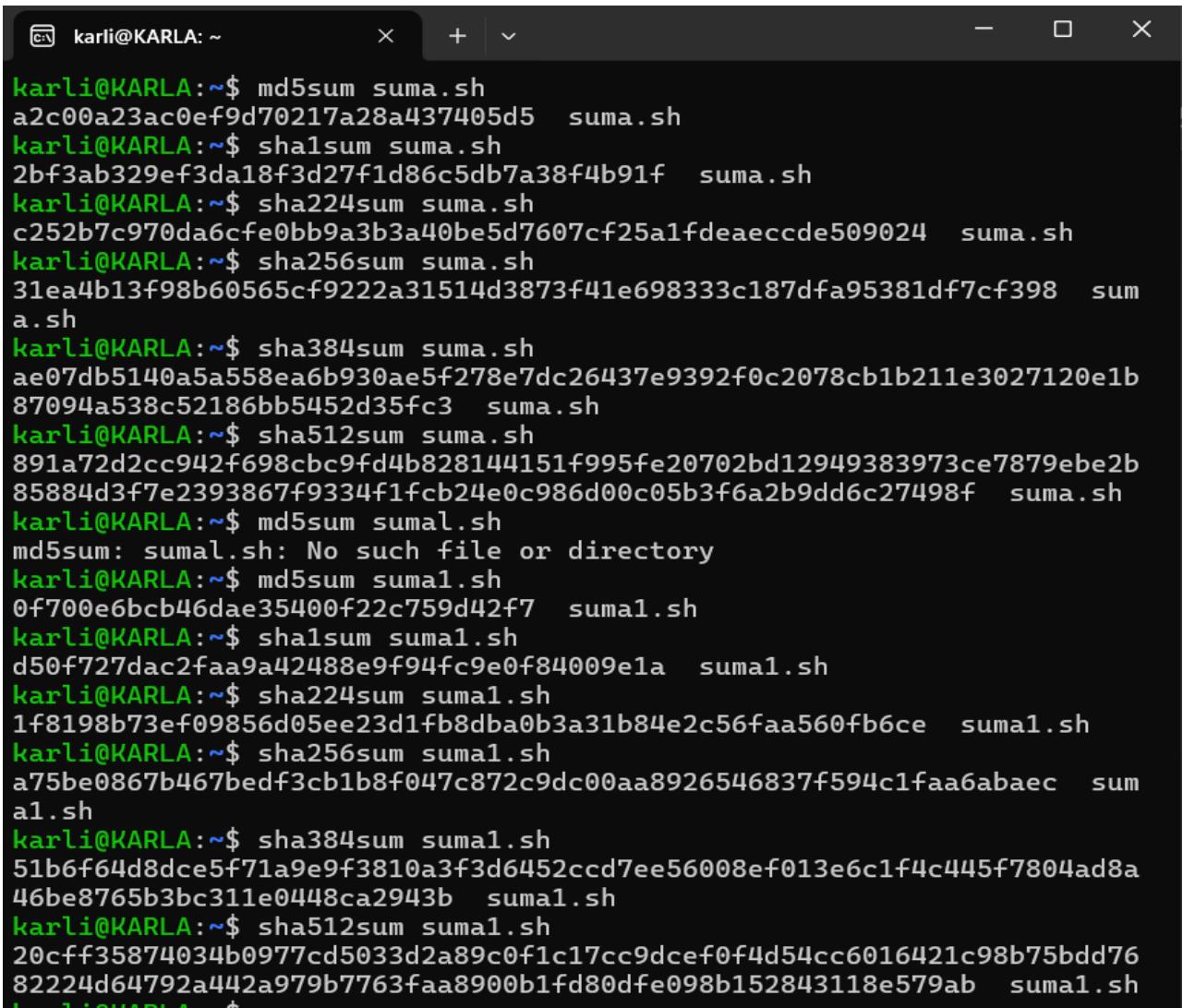
```
karli@KARLA:~$ md5sum for.sh
54109d0c867c511b5aba89a479f7ddb0  for.sh
karli@KARLA:~$ sha1sum for.sh
25054aad380cd9e535a778da3fa4074d70b43536  for.sh
karli@KARLA:~$ sha224sum for.sh
ca5815db06b7309c7e2e61f4cb99ec62c4129d1a056ab481e1dfbda9  for.sh
karli@KARLA:~$ sha256sum for.sh
5d2425ceec404dd5ce9b5b5f9af5be4482ddfef61beda12788eb69db01eebf7b  for
.sh
karli@KARLA:~$ sha384sum for.sh
81d0f6763ab1ce8a851015dfec9f5c60e99ad440dd9bd5275bed8968d21cccb829ba8
7e6c89ca547e2794022badb7ea5  for.sh
karli@KARLA:~$ sha512sum for.sh
8688d6c28ce4aa71d0516f995c1936055dfd2cb769cd6cdd7943e18cacfb071ba83cc
3a79127fc814a07f8f40156ed4d4fb56902b5a65847eacd058697558e5b  for.sh
karli@KARLA:~$
```

karli@KARLA: ~

```
karli@KARLA:~$ md5sum hello.sh
aa99890daf2063036a75306d6651d431  hello.sh
karli@KARLA:~$ sha1sum hello.sh
72e53cd3de9457aca5d17211d5eeb2c144920cdd  hello.sh
karli@KARLA:~$ sha224sum hello.sh
558d31015660a6524e269a12e8be831284a17b5ede3970dc8cc9ed7a  hello.sh
karli@KARLA:~$ sha256sum hello.sh
94c1ed6e2377550736594a8dd8103a7c868945327211fa6ae10a6da057cc4ad3  hel
lo.sh
karli@KARLA:~$ sha384sum hello.sh
3aaddd22d68280d6c639bbc12dddced565649a9d00c77b4336384fd394c83e6b722ad
bd425e368f55650dcd5003fdbc8  hello.sh
karli@KARLA:~$ sha512sum hello.sh
5db06771620fde9344064422939109a361615705ddad15b54b136221a29e973a0c01a
f1ebb43bc02f195413948f79ecf222bb29c6212953318842553fff6ea62  hello.sh
karli@KARLA:~$
```

```
karli@KARLA:~$ md5sum myDir.sh
829a4026f2b4f7186d1d996879c0e592  myDir.sh
karli@KARLA:~$ sha1sum myDir.sh
781992acbc893a1c388f6905c2717a436fb3c9f3  myDir.sh
karli@KARLA:~$ sha224sum myDir.sh
4791308a4a613233caa59127d10cd9d67ce534716662f40aac782bc4  myDir.sh
karli@KARLA:~$ sha256sum myDir.sh
889199637cc0a7ed5b20af36e6da0a657eee40a6f9825908bb3e0a8644948f04  myD
ir.sh
karli@KARLA:~$ sha384sum myDir.sh
83d5dc7f3a2218ce8cb846323e2acea2b6f77f99574767ce93fce553569fc003ff5f1
cc4609702f987a67319eea7f705  myDir.sh
karli@KARLA:~$ sha512sum myDir.sh
137dd1f5215ae36d1b7f30a604ec1c5a8ba6fe61a7ebfb3ed9c7ea2ca4e6d2fce99e2
05bdea4fc27a0c8c2b22db73a9cd9cdcb07a0e958fb0b543228bbf86fa6  myDir.sh
karli@KARLA:~$
```

```
karli@KARLA: ~                          ×   +  ∨                  —  □  ×

karli@KARLA:~$ md5sum suma.sh
a2c00a23ac0ef9d70217a28a437405d5  suma.sh
karli@KARLA:~$ sha1sum suma.sh
2bf3ab329ef3da18f3d27f1d86c5db7a38f4b91f  suma.sh
karli@KARLA:~$ sha224sum suma.sh
c252b7c970da6cfe0bb9a3b3a40be5d7607cf25a1fdeaeccde509024  suma.sh
karli@KARLA:~$ sha256sum suma.sh
31ea4b13f98b60565cf9222a31514d3873f41e698333c187dfa95381df7cf398  sum
a.sh
karli@KARLA:~$ sha384sum suma.sh
ae07db5140a5a558ea6b930ae5f278e7dc26437e9392f0c2078cb1b211e3027120e1b
87094a538c52186bb5452d35fc3  suma.sh
karli@KARLA:~$ sha512sum suma.sh
891a72d2cc942f698cbc9fd4b828144151f995fe20702bd12949383973ce7879ebe2b
85884d3f7e2393867f9334f1fcb24e0c986d00c05b3f6a2b9dd6c27498f  suma.sh
karli@KARLA:~$ md5sum sumal.sh
md5sum: sumal.sh: No such file or directory
karli@KARLA:~$ md5sum suma1.sh
0f700e6bcb46dae35400f22c759d42f7  suma1.sh
karli@KARLA:~$ sha1sum suma1.sh
d50f727dac2faa9a42488e9f94fc9e0f84009e1a  suma1.sh
karli@KARLA:~$ sha224sum suma1.sh
1f8198b73ef09856d05ee23d1fb8dba0b3a31b84e2c56faa560fb6ce  suma1.sh
karli@KARLA:~$ sha256sum suma1.sh
a75be0867b467bedf3cb1b8f047c872c9dc00aa8926546837f594c1faa6abaec  sum
a1.sh
karli@KARLA:~$ sha384sum suma1.sh
51b6f64d8dce5f71a9e9f3810a3f3d6452ccd7ee56008ef013e6c1f4c445f7804ad8a
46be8765b3bc311e0448ca2943b  suma1.sh
karli@KARLA:~$ sha512sum suma1.sh
20cff35874034b0977cd5033d2a89c0f1c17cc9dcef0f4d54cc6016421c98b75bdd76
82224d64792a442a979b7763faa8900b1fd80dfe098b152843118e579ab  suma1.sh
```

```
karli@KARLA:~$ md5sum testFunction.sh
7ba038179e26430e66a161931a6545e5  testFunction.sh
karli@KARLA:~$ sha1sum testFunction.sh
aafb9ab03f2c4d850136f330377e7521d7436368  testFunction.sh
karli@KARLA:~$ sha224sum testFunction.sh
0d0877ffdbc4efa061c27f360a9fd5d08710fedc02181c6a527fee8a  testFunctio
n.sh
karli@KARLA:~$ sha256sum testFunction.sh
e34ceff6bdf891011f779ea7bf0f2dfc9511726ede62623c39c89b4f545fc321  tes
tFunction.sh
karli@KARLA:~$ sha384sum testFunction.sh
0589b36b6ded50e82a298b732b2dd505b228516e0ce4f545d6ab96c8c6220291c6fbe
fa52915abe6f642d159c509539c  testFunction.sh
karli@KARLA:~$ sha512sum testFunction.sh
4d98c792d062dea2da68d07268ab0fd0332e6e8f6df395b18deccf6dbb95fc42e0917
db01cadee529cbc1891cfb6826691ded9d2a97a65526c6fa451bc9e0985  testFunc
tion.sh
karli@KARLA:~$
```