

```
agopikaa@LAPTOP-69L71TOD x + v
agopikaa@LAPTOP-69L71TOD:~$ touch newfile.txt
agopikaa@LAPTOP-69L71TOD:~$ ls
demo- newfile newfile.txt out sdhc test test.save training
agopikaa@LAPTOP-69L71TOD:~$ nano newfile.txt
agopikaa@LAPTOP-69L71TOD:~$ cat newfile.txt
HI THIS IS NEW
agopikaa@LAPTOP-69L71TOD:~$ cat newfile.txt > output.txt
agopikaa@LAPTOP-69L71TOD:~$ cat output.txt
HI THIS IS NEW
agopikaa@LAPTOP-69L71TOD:~$ cat -n demo
cat: demo: No such file or directory
agopikaa@LAPTOP-69L71TOD:~$ ls
demo- newfile out sdhc test.save
new newfile.txt output.txt test training
agopikaa@LAPTOP-69L71TOD:~$ mkdir training
mkdir: cannot create directory 'training': File exists
agopikaa@LAPTOP-69L71TOD:~$ cp newfile output.txt training
agopikaa@LAPTOP-69L71TOD:~$ cd training
agopikaa@LAPTOP-69L71TOD:~/training$ ls
new newfile output.txt sum.c
agopikaa@LAPTOP-69L71TOD:~/training$ cd
agopikaa@LAPTOP-69L71TOD:~$ ls
demo- newfile out sdhc test.save
new newfile.txt output.txt test training
agopikaa@LAPTOP-69L71TOD:~$ ls -R
ls: cannot access '-': No such file or directory
ls: cannot access 'R': No such file or directory
agopikaa@LAPTOP-69L71TOD:~$ ls -R
.:
demo- newfile out sdhc test.save
new newfile.txt output.txt test training
./new:
```

```
agopikaa@LAPTOP-69L71T0C x + -
new
./new/new:
d1 new1 new2
./new/new/d1:
d2
./new/new/d1/d2:
./new/new/new1:
./new/new/new2:
./sdlc:
models
./sdlc/models:
agile
./sdlc/models/agile:
cicd
./training:
new newfile output.txt sum.c
./training/new:
new stepin
./training/new/new:
d1 new1 new2
./training/new/new/d1:
```

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```
agopikaa@LAPTOP-69L71TOD x + v
new newfile output.txt sum.c

./training/new:
new stepin

./training/new/new:
d1 new1 new2

./training/new/new/d1:
d2

./training/new/new/d1/d2:

./training/new/new/new1:

./training/new/new/new2:

./training/new/stepin:
git linux sdlc

./training/new/stepin/git:

./training/new/stepin/linux:

./training/new/stepin/sdlc:
models

./training/new/stepin/sdlc/models:
agile

./training/new/stepin/sdlc/models/agile:
agopikaa@LAPTOP-69L71TOD:~$ cp -r new training
agopikaa@LAPTOP-69L71TOD:~$ ls
```

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```
agopikaa@LAPTOP-69L71TOD x + v
./training/new/stepin/sdlc:
models
./training/new/stepin/sdlc/models:
agile
./training/new/stepin/sdlc/models/agile:
agopikaa@LAPTOP-69L71TOD:~$ cd training
agopikaa@LAPTOP-69L71TOD:~$ ls
demo- newfile out sdlc test.save
new newfile.txt output.txt test training
agopikaa@LAPTOP-69L71TOD:~$ cd training
agopikaa@LAPTOP-69L71TOD:~/training$ ls
new newfile output.txt sum.c
agopikaa@LAPTOP-69L71TOD:~/training$ cd new
agopikaa@LAPTOP-69L71TOD:~/training/new$ ls
new stepin
agopikaa@LAPTOP-69L71TOD:~/training/new$ cd
agopikaa@LAPTOP-69L71TOD:~$ mv output.txt out
agopikaa@LAPTOP-69L71TOD:~$ ls
demo- newfile out test training
new newfile.txt sdlc test.save
agopikaa@LAPTOP-69L71TOD:~$ mv out training
agopikaa@LAPTOP-69L71TOD:~$ ls
demo- new newfile newfile.txt sdlc test test.save training
agopikaa@LAPTOP-69L71TOD:~$ cd training
agopikaa@LAPTOP-69L71TOD:~/training$ ls
new newfile out output.txt sum.c
agopikaa@LAPTOP-69L71TOD:~/training$ vi sum.c
agopikaa@LAPTOP-69L71TOD:~/training$ gcc sum.c && ./a.out
sum.c:1:1: error: unknown type name 'this'
  1 | this is new file
    | ^~~~~
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```
agopikaa@LAPTOP-69L71TOD x + v
Building dependency tree... Done
Reading state information... Done
Calculating upgrade... Done
The following package was automatically installed and is no longer required:
  libllvm17t64
Use 'sudo apt autoremove' to remove it.
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
agopikaa@LAPTOP-69L71TOD:~$ sudo apt install build-essential
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
build-essential is already the newest version (12.10ubuntu1).
The following package was automatically installed and is no longer required:
  libllvm17t64
Use 'sudo apt autoremove' to remove it.
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
agopikaa@LAPTOP-69L71TOD:~$ exist
exist: command not found
agopikaa@LAPTOP-69L71TOD:~$ echo $SHELL
/bin/bash
agopikaa@LAPTOP-69L71TOD:~$ whatis cat
cat (1) - concatenate files and print on the stan...
agopikaa@LAPTOP-69L71TOD:~$ date; uname -r; whoami
Tue Jul 29 13:05:31 UTC 2025
6.6.87.2-microsoft-standard-WSL2
agopikaa
agopikaa@LAPTOP-69L71TOD:~$ date; unam -r; whoami
Tue Jul 29 13:05:40 UTC 2025
Command 'unam' not found, did you mean:
  command 'uname' from deb coreutils (9.4-2ubuntu2)
  command 'nam' from deb nam (1.15-6)
  command 'unar' from deb unar (1.10.7+ds1+really1.10.1-2build3)
Try: sudo apt install <deb name>
```

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```
agopikaa@LAPTOP-69L71TOD x + v
cat (1) - concatenate files and print on the stan...
agopikaa@LAPTOP-69L71TOD:~$ date; uname -r; whoami
Tue Jul 29 13:05:31 UTC 2025
6.6.87.2-microsoft-standard-WSL2
agopikaa
agopikaa@LAPTOP-69L71TOD:~$ date; unam -r; whoami
Tue Jul 29 13:05:40 UTC 2025
Command 'unam' not found, did you mean:
  command 'uname' from deb coreutils (9.4-2ubuntu2)
  command 'nam' from deb nam (1.15-6)
  command 'unar' from deb unar (1.10.7+ds1+really1.10.1-2build3)
Try: sudo apt install <deb name>
agopikaa
agopikaa@LAPTOP-69L71TOD:~$ date && whoami
Tue Jul 29 13:05:53 UTC 2025
agopikaa
agopikaa@LAPTOP-69L71TOD:~$ dat && whoami
Command 'dat' not found, but can be installed with:
sudo apt install liballegro4-dev
agopikaa@LAPTOP-69L71TOD:~$ date
Tue Jul 29 13:06:04 UTC 2025
agopikaa@LAPTOP-69L71TOD:~$ wc this is day 2 of the training
wc: this: No such file or directory
wc: is: No such file or directory
wc: day: No such file or directory
wc: 2: No such file or directory
wc: of: No such file or directory
wc: the: No such file or directory
wc: training: Is a directory
   0      0      0 training
   0      0      0 total
agopikaa@LAPTOP-69L71TOD:~$ touch newfile.txt
agopikaa@LAPTOP-69L71TOD:~$ ls
```



```
agopikaa@LAPTOP-69L71TOD x + v
wc: day: No such file or directory
wc: 2: No such file or directory
wc: of: No such file or directory
wc: the: No such file or directory
wc: training: Is a directory
      0      0      0 training
      0      0      0 total
agopikaa@LAPTOP-69L71TOD:~$ touch newfile.txt
agopikaa@LAPTOP-69L71TOD:~$ ls
demo- newfile      sdlc test.save
new   newfile.txt test training
agopikaa@LAPTOP-69L71TOD:~$ nano newfile.txt
agopikaa@LAPTOP-69L71TOD:~$ cat cisd
cat: cisd: No such file or directory
agopikaa@LAPTOP-69L71TOD:~$ cat cisd > new.txt
cat: cisd: No such file or directory
agopikaa@LAPTOP-69L71TOD:~$ cat new.txt
agopikaa@LAPTOP-69L71TOD:~$ cat -n cisd
cat: cisd: No such file or directory
agopikaa@LAPTOP-69L71TOD:~$ tac cisd
tac: failed to open 'cisd' for reading: No such file or directory
agopikaa@LAPTOP-69L71TOD:~$ cd ..
agopikaa@LAPTOP-69L71TOD:/home$ cp demo newfile stepin
cp: target 'stepin': No such file or directory
agopikaa@LAPTOP-69L71TOD:/home$ cd stepin
-bash: cd: stepin: No such file or directory
agopikaa@LAPTOP-69L71TOD:/home$ cp -r training stepin
cp: cannot stat 'training': No such file or directory
agopikaa@LAPTOP-69L71TOD:/home$ cp -r training stepin
cp: cannot stat 'training': No such file or directory
agopikaa@LAPTOP-69L71TOD:/home$ cd stepin
-bash: cd: stepin: No such file or directory
agopikaa@LAPTOP-69L71TOD:/home$ ls
```

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```
agopikaa@LAPTOP-69L71TOD x + v
cp: cannot stat 'training': No such file or directory
agopikaa@LAPTOP-69L71TOD:/home$ cp -r training stepin
cp: cannot stat 'training': No such file or directory
agopikaa@LAPTOP-69L71TOD:/home$ cd stepin
-bash: cd: stepin: No such file or directory
agopikaa@LAPTOP-69L71TOD:/home$ ls
agopikaa
agopikaa@LAPTOP-69L71TOD:/home$ cd
agopikaa@LAPTOP-69L71TOD:~$ mv newfile git
agopikaa@LAPTOP-69L71TOD:~$ ls
demo- new      newfile.txt  test      training
git  new.txt  sdhc      test.save
agopikaa@LAPTOP-69L71TOD:~$ mv newfile Day2
mv: cannot stat 'newfile': No such file or directory
agopikaa@LAPTOP-69L71TOD:~$ rm Day2
rm: cannot remove 'Day2': No such file or directory
agopikaa@LAPTOP-69L71TOD:~$ ls
demo- new      newfile.txt  test      training
git  new.txt  sdhc      test.save
agopikaa@LAPTOP-69L71TOD:~$ cd
agopikaa@LAPTOP-69L71TOD:~$ rm n*
rm: cannot remove 'new': Is a directory
agopikaa@LAPTOP-69L71TOD:~$ ls
demo- git new sdhc test test.save training
agopikaa@LAPTOP-69L71TOD:~$ rmdir new
rmdir: failed to remove 'new': Directory not empty
agopikaa@LAPTOP-69L71TOD:~$ cd new
agopikaa@LAPTOP-69L71TOD:~/new$ ls
new
agopikaa@LAPTOP-69L71TOD:~/new$ cd
agopikaa@LAPTOP-69L71TOD:~$ rm -r new
agopikaa@LAPTOP-69L71TOD:~$ ls
demo- git sdhc test test.save training
```

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```
agopikaa@LAPTOP-69L71TOD x + v
rm: cannot remove 'new': Is a directory
agopikaa@LAPTOP-69L71TOD:~$ ls
demo- git new sdhc test test.save training
agopikaa@LAPTOP-69L71TOD:~$ rmdir new
rmdir: failed to remove 'new': Directory not empty
agopikaa@LAPTOP-69L71TOD:~$ cd new
agopikaa@LAPTOP-69L71TOD:~/new$ ls
new
agopikaa@LAPTOP-69L71TOD:~/new$ cd
agopikaa@LAPTOP-69L71TOD:~$ rm -r new
agopikaa@LAPTOP-69L71TOD:~$ ls
demo- git sdhc test test.save training
agopikaa@LAPTOP-69L71TOD:~$ history
1 exist
2 root
3 root-framework
4 instal root-framework
5 install root-framework
6 install --help
7 echo $SHELL
8 whoami
9 canichange username
10 i new_username
11 instal root-frameworkinstal root-framework
12 sudo apt update
13 sudo apt upgrade
14 sudo apt install build-essential
15 sudo apt install gcc
16 sudo apt install gtt
17 date; uname -r; whoami
18 date && whoami
19 dat && whoami
20 date
```

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```
21 date "+%D"
22 clear
23 bc
24 cal -3
25 cal
26 call
27 calender
28 cal
29 cal -y
30 sudo apt install ncal
31 cal
32 cal -y
33 ls
34 nano test
35 ls
36 mkdir new
37 mkdir sdlc
38 ls
39 cd sdlc
40 mkdir -p models/agile
41 ls
42 ls -l
43 date
44 bc
45 sudo apt update
46 sudo apt upgrade
47 clear
48 echo $SHELL
49 printenv SHELL
50 whoami
51 whatis echo
52 whatis printenv
53 whatis whoami
```



```
45 sudo apt update
46 sudo apt upgrade
47 clear
48 echo $SHELL
49 printenv SHELL
50 whoami
51 whatis echo
52 whatis printenv
53 whatis whoami
54 whatis cat
55 whereis cat
56 whereis gcc
57 info cat
58 sudo apt install gcc
59 clear
60 sudo apt install build-essential
61 date
62 date "+%D"
63 date "+%D %T"
64 date "+%Y-%m-%d"
65 date "+%Y/%m/%d"
66 date "+%A %B %d %Y %T"
67 date --date "tomorrow"
68 date --date "2 years ago"
69 man date
70 clear
71 cal
72 sudo apt install ncal
73 cal
74 cal 7 2025
75 cal 5 2025
76 cal 2025
77 cal -3 2025
```

```
agopikaa@LAPTOP-69L71T0C x + v
78 cal -3
79 clear
80 ps
81 exit
82 bc
83 bc <<< "12/5"
84 bc <<< "scale=2; 12/5"
85 bc <<< "2>5"
86 bc <<< "2^10"
87 uname -o
88 uname -i
89 uname -n
90 uname -v
91 uname -s
92 uname -m
93 uname -r
94 uname -a
95 echo "Welcome to Linux"
96 echo -e "Hello \t World"
97 echo -n "Hello World"
98 echo "Welcome to \"Linux\""
99 echo `date`
100 echo "This is
101 Linux
102 Training
103 for
104 Notchup
105 July 2025"
106 echo "This is Linux Training for Notchup July 2025"
107 printf "Linux training"
108 printf "Linux training\n"
109 printf "My shell is %s\n" $SHELL
110 seq 1 10
```

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```
111 seq 1 3 10
112 seq 10 -1 1
113 seq 20 -2 0
114 seq -s " " 10
115 seq -s " " 5 10
116 seq -s 5 10
117 seq -s " " 5 3 50
118 rev <<< Linux
119 seq -s " " 5 3 50
120 rev <<< Linus
121 histroy
122 history
123 seq 1 10
124 date --date "2 years ago"
125 sudo apt install ncal
126 echo $?
127 false
128 echo $?
129 ls
130 nano newfile
131 cd new
132 ls
133 mkdir new
134 cd new
135 mkdir new1 new2
136 ls
137 cd
138 cd -
139 mkdir -p d1/d2
140 ls
141 cd d1
142 ls
143 ls -l
```

```
141 cd d1
142 ls
143 ls -l
144 cd ..
145 cd
146 ls -l
147 ls -a
148 ls -R
149 nano demo
150 wc demo
151 touch newfile.txt
152 nano newfile.txt
153 cat newfile.txt
154 cat newfile.txt > output.txt
155 cat output.txt
156 cat -n demo
157 ls
158 mkdir training
159 cp newfile output.txt training
160 cd training
161 ls
162 cd
163 ls
164 ls -R
165 cp -r new training
166 ls
167 cd training
168 ls
169 cd new
170 ls
171 cd
172 mv output.txt out
173 ls
```



```
174 cd training
175 ls
176 vi sum.c
177 gcc sum.c && ./a.out
178 sudo apt install update
179 sudo apt install gcc
180 gcc ifelse.c
181 cd notchupfy26
182 cd notchupJul25
183 gcc ifelse.c
184 gcc ldarray.c
185 sudo apt install gcc
186 gcc ifelse.c
187 cd notchupfy26
188 cd notchupJul25
189 gcc ifelse.c
190 ls ~
191 gcc --version
192 gcc ldarray.c
193 cd ..
194 gcc ldarray.c
195 ./a.out
196 sudo apt install update
197 sudo apt update
198 sudo apt upgrade
199 sudo apt install build-essential
200 exit
201 echo $SHELL
202 whoami
203 whatis cat
204 whatis gcc
205 info cat
206 sudo apt update
```

```
207  sudo apt install build-essential
208  sudo apt install build-essential
209  sudo apt install gcc
210  sudo apt install g++
211  date; uname -r; whoami
212  date; unam -r; whoami
213  date && whoami
214  dat && whoami
215  date
216  date "+%D"
217  date "+%D %T"
218  date "%Y - %m - %d"
219  date "+%Y - %m - %d"
220  173 date "+%Y/%m/%d"
221  date "+%d/%m/%Y"
222  date "+%A %B %d %y %T"
223  date "+%A %B %d %Y %T"
224  info date
225  date --date "tomorrow"
226  date --date "2 years ago"
227  cal
228  cal 10 2025
229  cal 2025
230  cal -3
231  cal -5
232  bc
233  bc <<< "12/5"
234  bc <<< "scale=2; 12/5"
235  bc <<< "2>3"
236  bc <<< "2^10"
237  uname -o
238  uname -i
239  uname -n
```

```
240  uname -v
241  uname -s
242  uname -m
243  uname -r
244  uname -a
245  echo "Welcome to Linux Training"
246  echo -e "Hello \t World"
247  echo -n "Hello world"
248  echo "Welcome to \"Linux Training\""
249  echo "date"
250  echo date
251  echo `date`
252  echo "welcome to
253  Linux
254  Training"
255  echo "Welcome to
256  \"Linux\"
257  Training"
258  seq 1 10
259  seq 1 3 10
260  seq 10 -1 1
261  seq 20 -2 1
262  seq -s " " 10
263  seq -s " " 5 10
264  seq -s " " 5 3 15
265  rev <<< linux training
266  rev <<< linux
267  history
268  history 10
269  seq 1 3 10
270  date --date "2 years ago"
271  echo $?
272  unam -r
```

```
264 seq -s " " 5 3 15
265 rev <<< linux training
266 rev <<< linux
267 history
268 history 10
269 seq 1 3 10
270 date --date "2 years ago"
271 echo $?
272 unam -r
273 echo $?
274 date
275 echo $?
276 man cat
277 nano test
278 ls
279 cd training
280 ls
281 cd new
282 cd ..
283 cd new
284 cd
285 cd -
286 cd
287 pwd
288 cd -
289 pwd
290 mkdir stepin
291 cd stepin
292 mkdir sdlc git linux
293 ls
294 cd sdlc
295 mkdir -p models/agile
296 ls
```

```
agopikaa@LAPTOP-69L71TOD x + v
327 ls
328 sudo apt install update
329 gcc ifelse.c
330 gcc ldarray.c
331 sudo apt install build-essential
332 exist
333 whatis cat
334 date && whoami
335 dat && whoami
336 date
337 ls
338 nano newfile.txt
339 cat cicd
340 cat new.txt
341 cd ..
342 cp demo newfile stepin
343 cp -r training stepin
344 cd stepin
345 ls
346 cd
347 ls
348 cd
349 rm n*
350 ls
351 rmdir new
352 cd new
353 ls
354 cd
355 rm -r new
356 ls
357 history
agopikaa@LAPTOP-69L71TOD:~$
```