

```
1  history
2  date
3  bc
4  ls
5  history
6  whatis echo
7  date
8  bc
9  sudo apt update
10 sudo apt upgrade
11 clear
12 echo $SHELL
13 printenv SHELL
14 whoami
15 whatis echo
16 whatis printenv
17 cat
18 whatis cat
19 whereis cat
20 whereis gcc
21 info cat
22 sudo apt install gcc
23 clear
24 sudo apt install gcc
25 sudo apt install build-essential
26 date
27 date "+%D"
28 date "+%D %T"
29 date "+%Y-%m-%d"
30 date --date "tomorrow"
31 date --date "2 years ago"
32 man date
33 clear
34 cal
35 sudo apt install ncal
36 cal
```

```
36  cal
37  cal 7 2025
38  cal 5 2025
39  cal 2025
40  cL -3 2025
41  Cl -3
42  clear
43  ps
44  exit
45  history
46  bc
47  bc <<< "2>5"
48  4  bc <<< "2^10"
49  unAME
50  uname
51  uname -o
52  uname -i
53  uname -n
54  uname -v
55  uname -s
56  uname -m
57  uname -r
58  uname -a
59  DESKTOP-VVL88QD
60  7  echo "Welcome to \"Linux\""
61  echo "This is
62  echo "This is linux"
63  history
64  echo "This is Linux Training for Notchup July 2025"
65  printf "Linux training"
66  printf "My shell is %s\n" $SHELL
67  seq 1 3 10
68  seq 10 -1 1
69  seq 20 -2 0
70  seq -s " " 10
71  5  seq -s 5 10
72  seq -s " " 5 3 50
```

```
72 seq -s " " 5 3 50
73 sudo apt install ncal
74 ls
75 nano newfile
76 cd new
77 ls
78 mkdir new
79 date
80 cd new
81 ls
82 mkdir new1 new2
83 ls
84 cd
85 cd -
86 mkdir -p d1/d2
87 ls
88 cd d1
89 ls
90 ls -l
91 cd ..
92 ls -a
93 ls -R
94 nano demo
95 touch newfile.txt
96 nano newfile.txt
97 cat newfile.txt > output.txt
98 cat output.txt
99 ls
100 mkdir training
101 cd training
102 ls
103 cd
104 ls -R
105 cp -r newtraining
106 cp -r new training
107 ls
108 cd training
```

```
108 cd training
109 ls
110 cd new
111 cd
112 mv output.txt out
113 history
114 ls
115 mv out training
116 ls
117 cd training
118 ls
119 vi sum.c
120 gcc sum.c &&./a.out
121 sudo apt install update
122 sudo apt install gcc
123 cd notchupJul25
124 cd ..
125 ./a.out
126 sudo apt install build-essential
127 echo $SHELL
128 whoami
129 whatiscat
130 whatis cat
131 whereis cat
132 whatis gcc
133 whereis gcc
134 info cat
135 sudo apt install build-essential
136 sudo apt install build-essential
137 history
138 sudo apt install g++
139 date; uname -r; whoami
140 date && whoami
141 date && whoami
142 date
143 date "+%D %T"
144 date "%Y - %m - %d"
```

```
144 date "%Y - %m - %d"
145 date "+%Y - %m - %d"
146 date "+%A %B %d %y %T"
147 date "+%A %B %d %Y %T"
148 date --date "tomorrow"
149 date --date "2 years ago"
150 cal 2025
151 cal -3
152 cal -5
153 bc
154 bc <<< "12/5"
155 bc <<< "2^10"
156 uname -v
157 uname -a
158 0 echo -n "Hello world"
159 echo "Welcome to \"Linux Training\""
160 echo `date`
161 seq 1 3 10
162 seq -s " " 10
163 seq -s " " 5 3 15
164 rev <<< linux
165 history
166 history10
167 seq 1 3 10
168 echo $?
169 date
170 ls
171 cd training
172 ls
173 cd new
174 cd ..
175 vd
176 cd-
177 cd
178 pwd
179 cd
180 date
```

```
180 date
181 cd
182 date
183 ls
184 history
185 ls
186 cd lsd
187 cd sdlc
188 ls
189 cd models
190 ls
191 cd models
192 cd
193 ls
194 cd
195 ls -l
196 ls
197 cd stepin
198 cd sdlc
199 cd models
200 nano cicd
201 wc
202 nano newfile.txt
203 cd ..
204 ls
205 cp demo newfile stepin
206 ls
207 cd stepin
208 ls
209 cd
210 ls
211 cd stepin
212 ls
213 cd git
214 ls
215 cd
216 ls
```

```
216  ls
217  mkdir new
218  cd
219  rm -r new
220  ls
221  history
222  whoami
223  clear
224  info cat
225  man date
226  b c
227  exit
228  history
229  cal
230  cal 19 2003
231  cal 4 2003
232  cal 1 2010
233  date
234  uname
235  uname -o
236  uname -i
237  uname -h
238  uname -r
239  uname -o
240  echo "hi "
241  seq 01
242  seq 00
243  seq 05
244  seq 10
245  mkdir we
246  cd we
247  cd d1
248  cd
249  ls -l
250  mkdir r
251  cd r
252  ls -l
```

```
252  ls -l
253  mkdir g
254  history
255  date 3 2003
256  ls -R
257  whereis gcc
258  whereis cat
259  whatis gcc
260  whatis cat
261  whoami
262  date&&whoami
263  bc <<< "scale=2; 12/5"
264  clear
265  exit
266  history
267  cal
268  vi sum.c
269  sudo apt install g++
270  gcc
271  bc
272  echo "hi"
273  echo "welcome"
274  clear
275  history
276  seq 20 -2 0
277  seq -s " " 10
278  seq -s " " 15
279  rev<<,Linux
280  seq 1 10
281  cd new
282  mkdir 5
283  ls -l
284  cd
285  echo $?
286  echo "hi
287  history
288  6  date --date "2 years ago"
```



```
286 echo "hi
287 history
288 6 date --date "2 years ago"
289 echo "Welcome to Linux"
290 mkdir new1 new2
291 sudo apt install gcc
292 dat && whoami
293 history
294 gcc ifelse.c
295 cal -3
296 cal -5
297 cd ..
298 cd new
299 mkdir models
300 history
301 date; unam -r; whoami
302 dat && whoami
303 date "+%Y/%m/%d"
304 date "+%A %B %d %Y %T"
305 echo "Welcome to Linux Training"
306 ls
307 cd
308 ls -R
309 cd
310 la
311 s
312 ls
313 ls -1
314 ls -5
315 ls -new1
316 ls -help
317 history
318 date
319 cal
320 mkdir documents
321 history
```

```
360 cat sample.txt
361 ls
362 tr ':0' '|$' < sample.txt
363 cat sample.txt
364 tr -s '0' < sample.txt
365 cat sample.txt
366 5 tr -d '0' < sample.txt
367 nano example.txt
368 history
369 cat example.txt
370 uniq example.txt
371 cat example.txt
372 diff sample.txt s1.txt
373 nano test.c
374 grep main test.c
375 grep ^main test.c
376 nano test.c
377 ls
378 nano 5.c
379 cat 5.c
380 nano documents.c
381 nano new1.c
382 nano stepin.c
383 cat 5.c
384 cat document.c
385 cat new1.c
386 cat stepin.c
387 cat employees.txt
388 nano employees.txt
389 awk '{print $0}' employees.txt
390 awk '{print $1, $3}' employees.txt
391 awk 'BEGIN {print "Name Salary"} {print $1, $3}' employees.txt
392 awk '{print $0}' employees.txt
393 awk '{print NR, $1}' employees.txt
394 awk '{print NR, $0}' employees.txt
395 1 awk '/Alice/' employees.txt
396 awk '$2 < 30 {print $1, $2}' employees.txt
```

```
381 nano new1.c
382 nano stepin.c
383 cat 5.c
384 cat document.c
385 cat new1.c
386 cat stepin.c
387 cat employees.txt
388 nano employees.txt
389 awk '{print $0}' employees.txt
390 awk '{print $1, $3}' employees.txt
391 awk 'BEGIN {print "Name Salary"} {print $1, $3}' employees.txt
392 awk '{print $0}' employees.txt
393 awk '{print NR, $1}' employees.txt
394 awk '{print NR, $0}' employees.txt
395 1 awk '/Alice/' employees.txt
396 awk '$2 < 30 {print $1, $2}' employees.txt
397 awk '{printf "Name: %s, Age: %d, Salary: %d\n", $1, $2, $3}' employees.txt
398 awk 'END {print "Total employees= ", NR}' employees.txt
399 ls -l
400 ls -l s1.txt
401 chmod u+x s1.txt
402 ls -l s1.txt
403 9 chmod o-r s1.txt
404 chmod 462 s1.txt
405 history
406 nano 5.c
407 awk 'BEGIN {print "Name Salary"} {print $1, $3}' employees.txt
408 awk '$2 < 30 {print $1, $2}' employees.txt
409 ls -l
410 history
411 5 tr -d '0' < sample.txt
412 history
413 chmod u+x s1.txt
414 history
```