

```
mahalakshmi@Maha: ~  
mahalakshmi@Maha:~$ history  
1  passwd  
2  sudo su  
3  sudo apt update  
4  date  
5  clear  
6  date  
7  bc  
8  exit  
9  date  
10 bc  
11 sudo apt update  
12 exit  
13 date  
14 "+%D"  
15 date "+%d"  
16 date "+%D"  
17 date "+%D %T"  
18 date "+%Y-%m-%d"  
19 date "+%Y/%m/%d"  
20 date "%A%B%d%Y%T"  
21 date "%A %B %d %Y %T"  
22 date --date "tomorrow"  
23 date--date "tomorrow"  
24 date --date "tomorrow"  
25 date --date "2 years ago"  
26 man date  
27 cal  
28 sudo apt install ncal  
29 cal  
30 cal 7 2025  
31 cal 5 2025  
32 cal -3 2025  
33 cal -3 2 2025  
34 cal -3  
35 clear  
36 ps  
37 bc  
38 bc <<< "12/5"  
39 bc <<< "scale=2;12/5"  
40 bc <<< "2>5"
```

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```
40 bc <<< "2>5"
41 bc <<< "2^10"
42 uname
43 uname -i
44 uname -n
45 uname -v
46 uname -s
47 uname -m
48 uname -r
49 uname -a
50 echo "Welcome to Linux"
51 echo -e "hello \t World"
52 echo -n "Hello World"
53 echo 'date'
54 echo "this is
55 Linux
56 training
57 for
58 Notchup
59 july 2025"
60 echo "this is linux Training for notchuo july 2025"
61 printf "linux training"
62 printf "linux training\n"
63 printf "my shell is %s\n"$SHELL
64 seq 1 10
65 seq 1 3 10
66 seq 10 -1 1
67 seq 20 -2 0
68 seq -s " " 10
69 seq -s " " 1 10
70 seq -s " " 5 10
71 seq -s 5 10
72 seq -s " " 5 3 50
73 rev <<< Linux
74 rev <<< Mahalakshmi
75 seq -s "," 5 10
76 seq 1 10
77 echo $?
78 false
79 ls
80 mkdir new
```


mahalakshmi@Maha: ~

```
120 ls
121 cd
122 ls
123 ls -R
124 cp -r new training
125 cp -r new training
126 ls
127 cp -r new training
128 ls
129 mv output.txt out
130 ls
131 mv out training
132 ls
133 cd training
134 ls
135 cd
136 history
137 exit
138 vi sum.c
139 gcc sum.c && ./a.out
140 sudo apt update && sudo apt install gcc
141 exit
142 vi sum.c
143 gcc sum.c && ./a.out
144 vi sum.c
145 gcc sum.c && ./a.out
146 gcc ifelse.c
147 cd notchupfy26
148 ./a.out
149 echo $SHELL
150 whoami
151 whatis cat
152 whatis gcc
153 whereis cat
154 whereis gcc
155 info cat
156 date;uname -r;whoami
157 date;unam -r;whoami
158 date&&whoami
159 dat&&whoami
160 date
```

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```
160 date
161 mkdir stepin
162 cd stepin
163 mkdir -p models/agile
164 ls
165 cd models
166 ls
167 cd
168 ls
169 ls -l
170 ls -a
171 ls -R
172 cd stepin
173 ls -R
174 cd stepin
175 ls -R
176 cd agile
177 cd sdlc
178 cd models
179 cd agile
180 nano cicd
181 wc cicd
182 wc this is day 2 of the the training
183 wc this is day 2 of the training
184 wc
185 echo "this is day 2 of the training"|wc
186 touch newfile.txt
187 ls
188 cat newfile.txt
189 cat cicd
190 cat cicd>new.txt
191 cat new.txt
192 cat newfile.txt >> new.txt
193 cat new.txt
194 cat cicd>new.txt
195 cat new.txt
196 cat -n cicd
197 tac cicd
198 cd ..
199 ls
200 cd ..
```

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```
mahalakshmi@Maha: ~  
200 cd ..  
201 cd  
202 ls  
203 cp -r training stepin  
204 cd  
205 cp -r training stepin  
206 cd stepin  
207 ls  
208 cd  
209 ls  
210 mv newfile git  
211 ls  
212 cd git  
213 mv newfile.txt git  
214 ls  
215 history  
216 exit  
217 vi sum.c  
218 gcc sum.c && ./a.out  
219 vi filecmd  
220 cat filecmd  
221 cat sum.c  
222 gcc sum.c  
223 ./a.out  
224 gcc sum.c && ./a.out  
225 ls  
226 more filecmd  
227 nano filecmd  
228 less filecmd  
229 head filecmd  
230 head -n 5 filecmd  
231 tail filecmd  
232 tail +5 filecmd  
233 nano sample.txt  
234 cat sample.txt  
235 cut -c 1 -3 sample.txt  
236 cat -c 1-3 sample.txt  
237 cat sample.txt  
238 cut -d':' -f2 sample.txt  
239 cut -d ':' -f2,3 sample.txt  
240 ls
```

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mahalakshmi@Maha: ~

```
241 cat demo
242 nano f1
243 nano f2
244 cat f1
245 cat f1
246 cat f2
247 paste f1 f2
248 paste -d ':' f1 f2
249 paste -s f1 f2
250 cat sample.txt
251 sort sample.txt
252 sort sample.txt -r
253 sort -t ':' -k2 sample.txt
254 sort -t ':' -k3 sample.txt
255 sort -t ':' -k4 sample.txt
256 sort -t ':' -k3 sample.txt -r
257 cat sample.txt
258 tr ':' '|' <sample.txt
259 tr ':' '|' <sample.txt

260 tr '|' '<sample.txt
261 tr '|' '|' <sample.txt
262 tr ':' '|' < sample.txt
263 cat sample.txt
264 ls
265 cat sample
266 cat sample.txt
267 nano sample.txt
268 nano example.txt
269 cat example.txt
270 uniq example.txt
271 ls
272 cat sample.txt
273 cat s1.txt
274 nano test.c
275 cat test.c
276 grep main test.c
277 grep ^main test.c
278 grep ^main test.c
279 grep ^int test.c
280 grep \; test.c
```

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```
mahalakshmi@Maha: ~  
277 grep ^main test.c  
278 grep ^main test.c  
279 grep ^int test.c  
280 grep \; test.c  
281 nano sed_test  
282 cat sed_test  
283 sed 's/Hello/Hi/' sed_test  
284 cat sed_test  
285 sed -i 's/Hello/Hi/' sed_test  
286 cat sed_test  
287 sed 's/!/$/g' sed_test  
288 cat sed_test  
289 sed '/sample/d' sed_test  
290 sed '/Hi/a Welcometo sed' sed_test  
291 sed -n '/Hi/a' sed_test  
292 sed -n '/Hi/p' sed_  
293 sed -n '/Hi/p' sed_test  
294 nano employees.txt  
295 cat employees.txt  
296 awk '{print $0}' employees.txt  
297 awk '{print $0}' employees.txt  
298 awk '{print $1, $3}' employees.txt  
299 awk '$3>50000 '{print $1, $3}' employees.txt  
300 awk '$3 > 50000 {print $1, $3}' employees.txt  
301 awk 'BEGIN {print "Name:, Salary:"}{print $1, $3}' employees.txt  
302 awk 'BEGIN {print "NameSalary"}{print $1,$3}' employees.txt  
303 awk 'BEGIN {print "NameAgeSalary"}{print $1, $2, $3}' employees.txt  
304 awk '{total+=$3}END{print "Total Salary=", total}' employees.txt  
305 awk '{print $0}' employees.txt  
306 awk '{print NR, $1}' employees.txt  
307 awk '{print NR, $0}' employees.txt  
308 awk '/Alice/' employees.txt  
309 awk '$2 <30 {print $1, $2}' employees.txt  
310 awk '{printf "Name: %s, Age: %d, Salary: %d\n", $1,$2,$3}' employees.txt  
311 awk 'END {print "Total employees=", NR}' employees.txt  
312 ls -l  
313 ls -l s1.txt  
314 chmod u+x s1.txt  
315 history  
mahalakshmi@Maha:~$ |
```