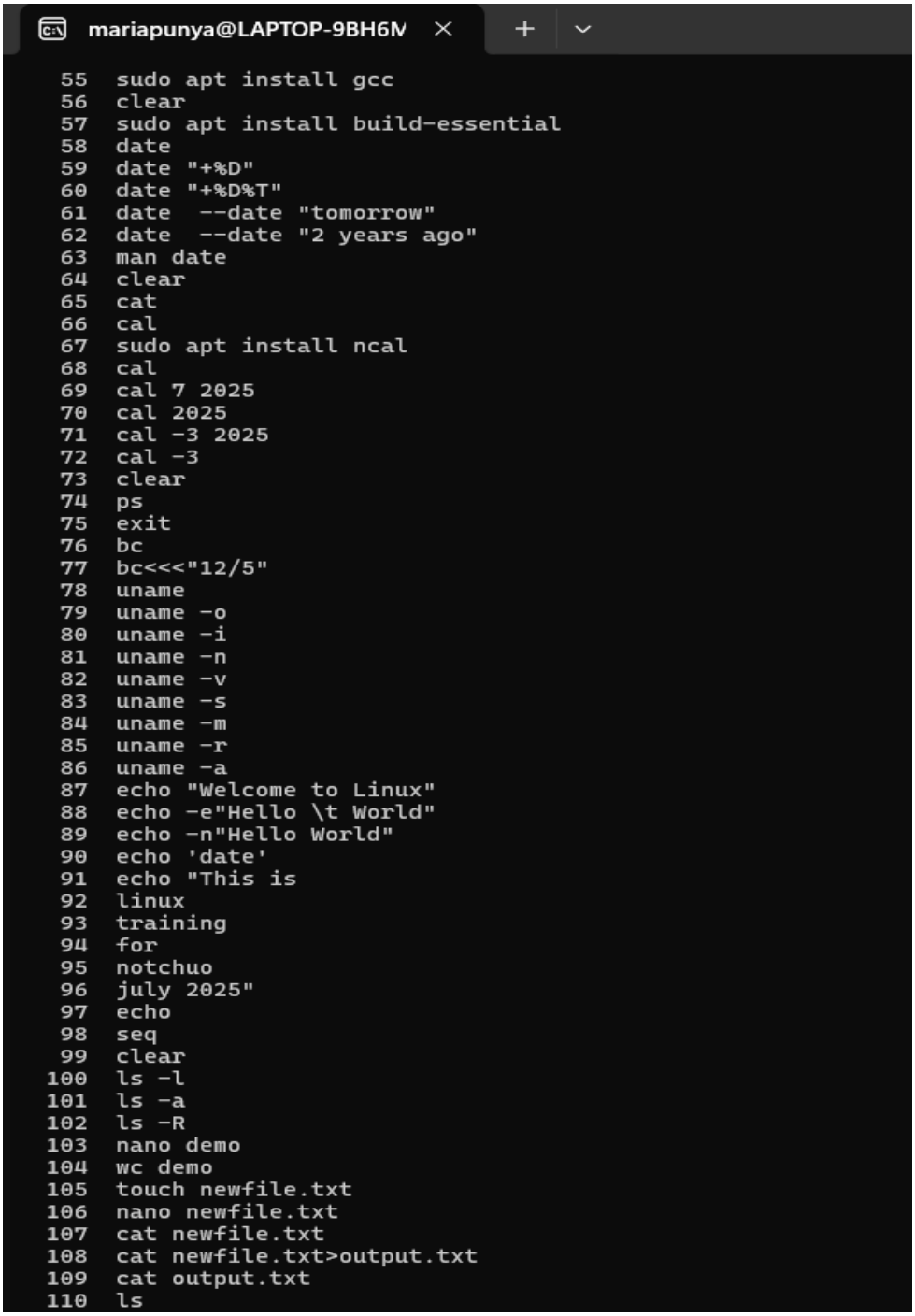
MARIA PUNYA
SUPERSET ID - 5520369

BASIC LINUX COMMANDS

Execution of commands in linux Terminal:

DAY-1 COMMANDS

Date & Time Commands, Math & Calculator Commands, File and Directory Commands, Sequence & Pattern Generation, File Permission & Listing, Piping & Redirection.


mariapunya@LAPTOP-9BH6M
55 sudo apt install gcc
56 clear
57 sudo apt install build-essential
58 date
59 date "+%D"
60 date "+%D%T"
61 date --date "tomorrow"
62 date --date "2 years ago"
63 man date
64 clear
65 cat
66 cal
67 sudo apt install ncal
68 cal
69 cal 7 2025
70 cal 2025
71 cal -3 2025
72 cal -3
73 clear
74 ps
75 exit
76 bc
77 bc<<<"12/5"
78 uname
79 uname -o
80 uname -i
81 uname -n
82 uname -v
83 uname -s
84 uname -m
85 uname -r
86 uname -a
87 echo "Welcome to Linux"
88 echo -e"Hello \t World"
89 echo -n"Hello World"
90 echo 'date'
91 echo "This is
92 linux
93 training
94 for
95 notchuo
96 july 2025"
97 echo
98 seq
99 clear
100 ls -l
101 ls -a
102 ls -R
103 nano demo
104 wc demo
105 touch newfile.txt
106 nano newfile.txt
107 cat newfile.txt
108 cat newfile.txt>output.txt
109 cat output.txt
110 ls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111 mkdir training
112 cp newfile output.txt training
113 cp newfile.txt output.txt training
114 cd training
115 ls
116 cd
117 ld
118 ls
119 ls -R
120 co -r new training
121 cp -r new training
122 mv output.txt out
123 ls
124 mov out training
125 ls
126 cd new
127 ls
128 cd
129 vi sum.c
130 history
131 vi sum.c
132 gcc sum.c && ./a.out
133 find ~ -name "sum.c"
134 cd ~/notchupJul25
135 ls
136 gcc sum.c -o sum && ./sum
137 vi sum.c
138 sudo apt install update
139 sudo apt install gcc
140 gcc ifelse.c
141 107 touch newfile.txt # Creates an empty file named newfile.txt
142 108 nano newfile.txt # Opens file in nano editor (edit/save using Ctrl+O, Ctrl+X)
143 109 cat newfile.txt # Displays contents of newfile.txt
144 110 cat newfile.txt > output.txt # Copies contents into output.txt
145 111 cat output.txt # Shows content of output.txt
146 112 cat -n demo # Shows contents of 'demo' file with line numbers (file must exist)
147 touch newfile.txt
148 nano newfile.txt
149 cat newfile.txt
150 vi sum.c
151 echo $SHELL
152 whoami
153 whatis cat
154 whatis gcc
155 whereis cat
156 whereis gcc
157 info cat
158 sudo apt update
159 sudo apt upgrade
160 sudo apt install build-essential
161 sudo apt install gcc
162 sudo apt install g++
163 date; uname -r; whoami
164 date && whoami
165 date "+%D"


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167 date "+%Y - %m - %d"
168 date "+%Y/%m/%d"
169 date "+%d/%m/%Y"
170 date "+%A %B %d %Y %T"
171 info date
172 date --date "tomorrow"
173 date --date "2 years ago"
174 cal
175 cal 10 2025
176 cal 2025
177 cal -3
178 bc
179 bc <<< "12/5"
180 bc <<< "2^10"
181 uname -o
182 uname -i
183 uname -n
184 uname -v
185 uname -s
186 uname -m
187 uname -r
188 uname -a
189 echo "Welcome to Linux Training"
190 echo -e "Hello \t World"
191 echo -n "Hello world"
192 echo "Welcome to \"Linux Training\""
193 echo `date`
194 echo "Welcome to
195 Linux
196 Training"
197 echo "Welcome to
198 \"Linux\"
199 Training"
200 seq 1 10
201 seq 1 3 10
202 seq 10 -1 1
203 seq 20 -2 1
204 seq -s " " 10
205 -s " " 5 10
206 -s " " 5 3 15
207 rev <<< linux training
208 seq -s " " 5 10
209 seq -s " " 5 3 15
210 history
211 seq 1 3 10
212 date --date "2 years ago"
213 echo $?
214 unam -r
215 echo $?
216 date
217 echo $?
218 man cat
219 nano test
220 echo $?
221 unam -r
222 echo $?


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223 date
224 echo $?
225 man cat
226 ls
227 cd training
228 ls
229 cd new
230 cd ..
231 cd new
232 cd
233 cd -
234 pwd
235 cd -
236 pwd
237 cd
238 mkdir stepin
239 cd stepin
240 ls
241 cd sdlc
242 mkdir -p models/agile
243 ls
244 cd models
245 ls
246 cd
247 ls
248 ls -l
249 ls -a
250 ls -R
251 cd stepin
252 ls -R
253 cd agile
254 cd sdlc
255 cd models
256 cd agile
257 wc cicd
258 266 wc this is day 2 of the training
259 wc this is day 2 of the training
260 wc cicd
261 nano cicd
262 wc
263 echo "this is day 2 of the training" | wc
264 wc
265 touch newfile.txt
266 ls
267 nano newfile.txt
268 cat newfile.txt
269 cat cicd
270 nano cicd
271 cat cicd
272 cat cicd > new.txt
273 cat new.txt
274 cat newfile.txt >> new.txt
275 cat new.txt
276 cat cicd > new.txt
277 cat new.txt
278 cat -n cicd


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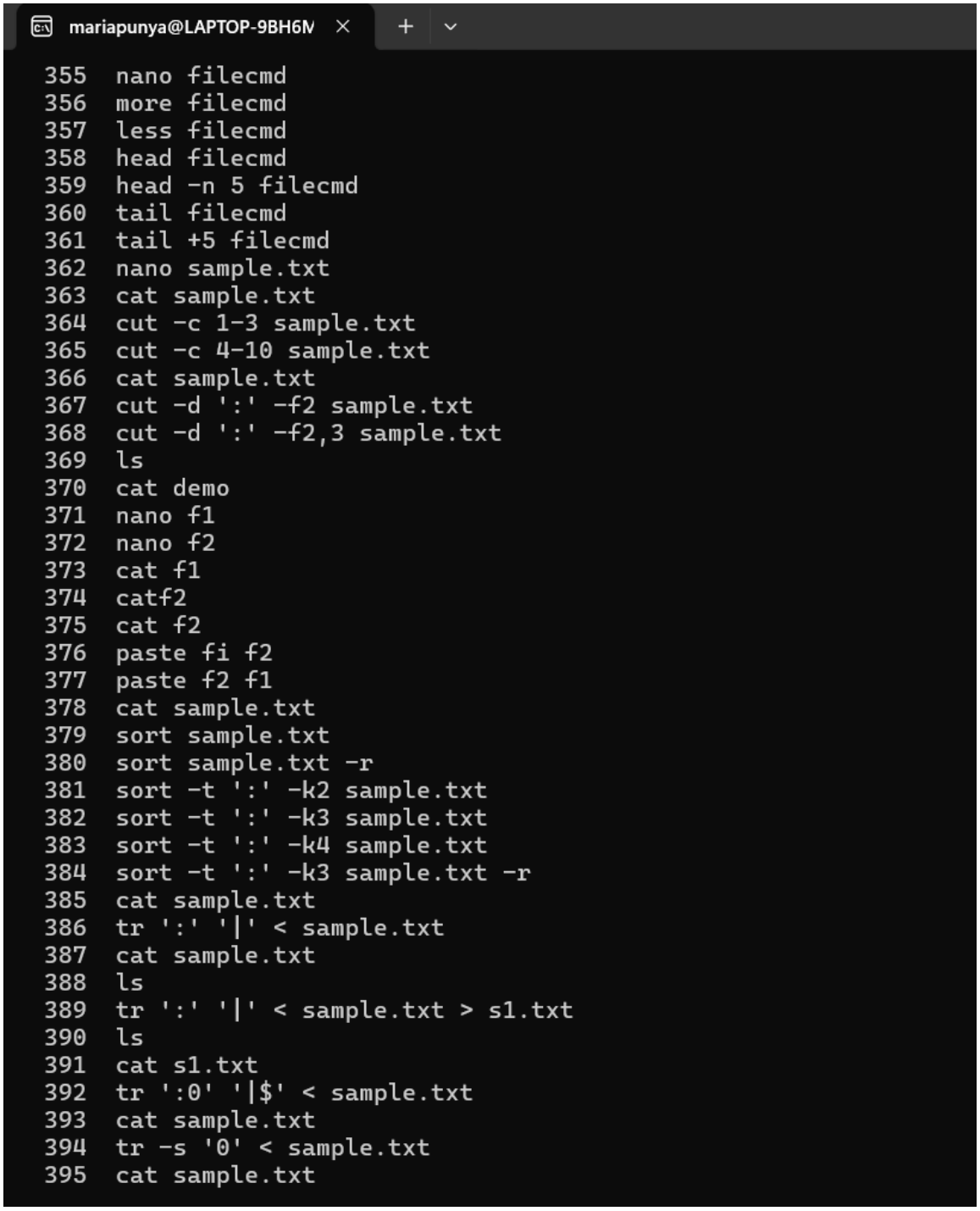
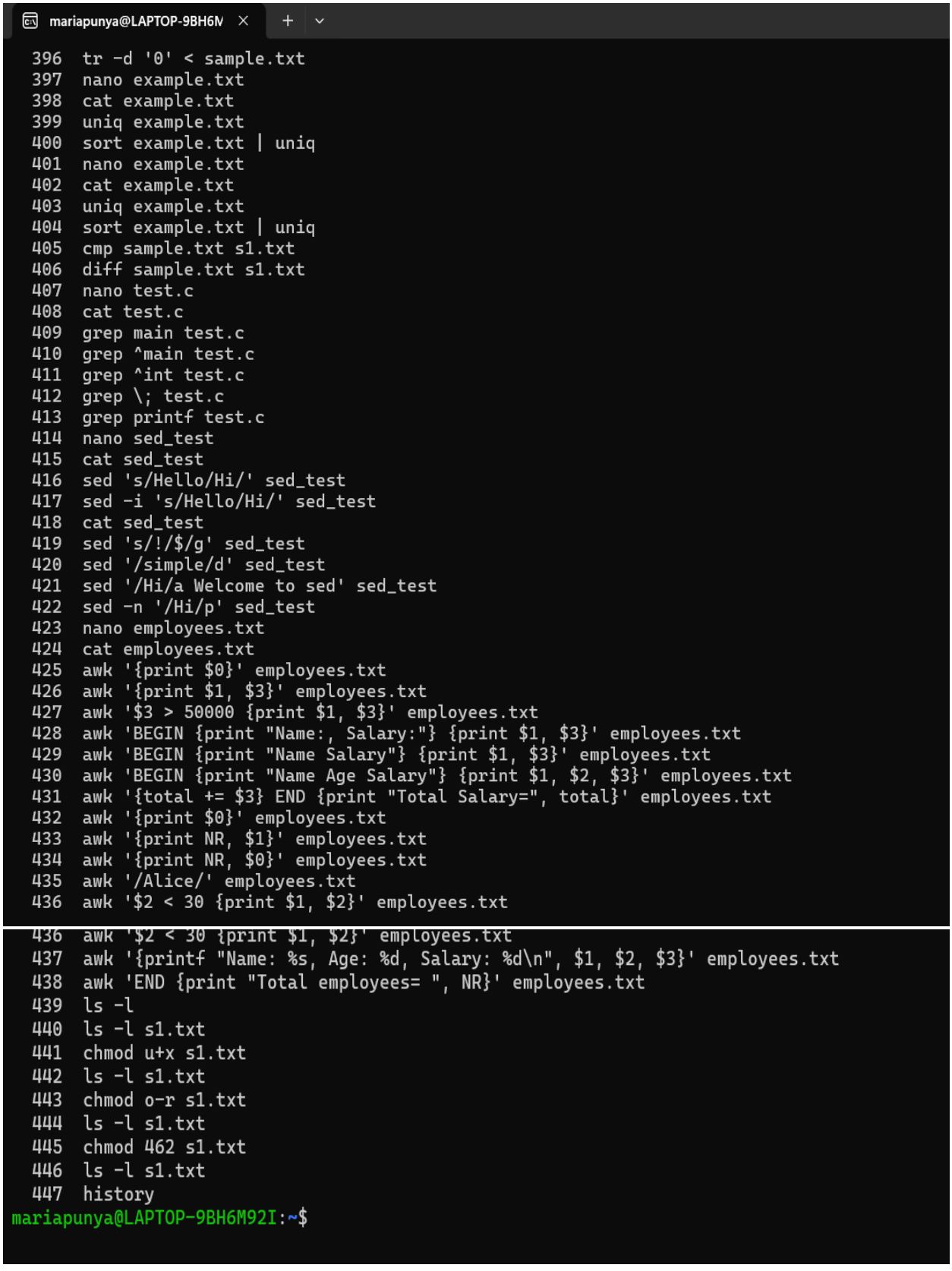
278 cat -n cicd
279 cd ..
280 ls
281 cd..
282 cd
283 ls
284 pwd
285 ls
286 nano demo
287 nano newfile
288 touch demo newfile
289 cp demo newfile stepin/
290 mkdir -p stepin
291 cp demo newfile stepin
292 ls
293 cd stepin
294 ls
295 cp -r training stepin
296 cd ~
297 ls
298 cp -r training stepin/
299 echo "This is training content"
300 cp -r training stepin/
301 cp demo newfile stepin
302 ls
303 cd stepin
304 ls
305 cp -r training stepin
306 cd ~
307 cp -r training stepin
308 cd stepin
309 ls
310 cd
311 ls
312 cd stepin
313 ls
314 mv newfile git
315 ls
316 cd git
317 ls
318 mv newfile Day2
319 ls
320 rm Day2
321 ls
322 cd
323 ls
324 rm n*
325 ls
326 rmdir new
327 cd new
328 pwd
329 ls
330 find ~ -type d -name "new"
331 mkdir new
332 cd new
333 rmdir new
333 rmdir new
334 cd new
335 history
mariapunya@LAPTOP-9BH6M92I:~/new$

DAY-2 COMMANDS

File Editing & Viewing, Pattern Searching, Data Extraction & Reporting (awk), File Permissions




mariapunya@LAPTOP-9BH6M
396 tr -d '0' < sample.txt
397 nano example.txt
398 cat example.txt
399 uniq example.txt
400 sort example.txt | uniq
401 nano example.txt
402 cat example.txt
403 uniq example.txt
404 sort example.txt | uniq
405 cmp sample.txt s1.txt
406 diff sample.txt s1.txt
407 nano test.c
408 cat test.c
409 grep main test.c
410 grep ^main test.c
411 grep ^int test.c
412 grep \; test.c
413 grep printf test.c
414 nano sed_test
415 cat sed_test
416 sed 's/Hello/Hi/' sed_test
417 sed -i 's/Hello/Hi/' sed_test
418 cat sed_test
419 sed 's/!/$/g' sed_test
420 sed '/simple/d' sed_test
421 sed '/Hi/a Welcome to sed' sed_test
422 sed -n '/Hi/p' sed_test
423 nano employees.txt
424 cat employees.txt
425 awk '{print $0}' employees.txt
426 awk '{print $1, $3}' employees.txt
427 awk '$3 > 50000 {print $1, $3}' employees.txt
428 awk 'BEGIN {print "Name:, Salary:"} {print $1, $3}' employees.txt
429 awk 'BEGIN {print "Name Salary"} {print $1, $3}' employees.txt
430 awk 'BEGIN {print "Name Age Salary"} {print $1, $2, $3}' employees.txt
431 awk '{total += $3} END {print "Total Salary=", total}' employees.txt
432 awk '{print $0}' employees.txt
433 awk '{print NR, $1}' employees.txt
434 awk '{print NR, $0}' employees.txt
435 awk '/Alice/' employees.txt
436 awk '$2 < 30 {print $1, $2}' employees.txt
436 awk '$2 < 30 {print $1, $2}' employees.txt
437 awk '{printf "Name: %s, Age: %d, Salary: %d\n", $1, $2, $3}' employees.txt
438 awk 'END {print "Total employees= ", NR}' employees.txt
439 ls -l
440 ls -l s1.txt
441 chmod u+x s1.txt
442 ls -l s1.txt
443 chmod o-r s1.txt
444 ls -l s1.txt
445 chmod 462 s1.txt
446 ls -l s1.txt
447 history
mariapunya@LAPTOP-9BH6M92I:~$