

```
378 vi sum.c
379 gcc sum.c && ./a.out
380 vi sum.c
381 gcc sum.c && ./a.out
382 vi sum.c
383 gcc sum.c && ./a.out
384 vi filecmd
385 cat filecmd
386 cat sum.c
387 gcc sum.c
388 ./a.out
389 gcc sum.c && ./a.out
390 ls
391 more filecmd
392 nano filecmd
393 more filecmd
394 less filecmd
395 head filecmd
396 head -n 5 filecmd
397 tail filecmd
398 tail +5 filecmd
399 nano sample.txt
400 cat sample.txtcat sample.txt
401 cut -c 1-3 sample.txt
402 cut -c 4-10 sample.txt
403 cat sample.txt
404 cut -d ':' -f2 sample.txt
405 cut -d ':' -f2,3 sample.txt
406 ls
407 cat demo
408 nano f1
409 nano f2
410 cat f1
411 cat f1
412 cat f2
413 paste f1 f2
414 paste -d ':' f1 f2
415 paste -s f1 f2
416 cat sample.txt
417 sort sample.txt
418 sort sample.txt -r
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417 sort sample.txt
418 sort sample.txt -r
419 sort -t ':' -k2 sample.txt
420 sort -t ':' -k3 sample.txt
421 sort -t ':' -k3 sample.txt -r
422 cat sample.txt
423 tr ':' '|' < sample.txt
424 cat sample.txt
425 ls
426 tr ':' '|' < sample.txt > s1.txt
427 ls
428 cat s1.txt
429 tr ':0' '|$' < sample.txt
430 cat sample.txt
431 tr -s '0' < sample.txt
432 cat sample.txt
433 tr -d '0' < sample.txt
434 nano example.txt
435 cat example.txt
436 uniq example.txt
437 nano example.txt
438 cat example.txt
439 uniq example.txt
440 ls
441 cat sample.txt
442 cat s1.txt
443 cmp sample.txt s1.txt
444 diff sample.txt s1.txt
445 ls
446 nano test.c
447 cat test.c
448 grep main test.c
449 grep ^main test.c
450 grep ^int test.c
451 grep \; test.c
452 nano test.c
453 cat test.c
454 grep ^int test.c
455 nano sed_test
456 cat sed_test
457 sed 's/Hello/Hi/' sed_test
```

```
455 nano sed_test
456 cat sed_test
457 sed 's/Hello/Hi/' sed_test
458 cat sed_test
459 sed -i 's/Hello/Hi/' sed_test
460 cat sed_test
461 sed 's/!/$/g' sed_test
462 cat sed_test
463 sed '/simple/d' sed_test
464 sed '/Hi/a Welcome to sed' sed_test
465 sed -n '/Hi/p' sed_test
466 nano employees.txt
467 cat employees.txt
468 awk '{print $0}' employees.txt
469 awk '{print $1, $3}' employees.txt
470 awk '$3>50000 '{print $1, $3}' employees.txt
471 awk 'BEGIN {print "Name:, Salary: "}' {print $1, $3}' employees.txt
472 awk 'BEGIN {print "Name Salary"} {print $1, $3}' employees.txt
473 awk 'BEGIN {print "Name Age Salary"} {print $1, $2, $3}' employees.txt
474 awk '{total+= $3} END {print "Total Salary=", total}' employees.txt
475 awk '{print $0}' employees.txt
476 awk '{print NR, $1}' employees.txt
477 awk '{print NR, $0}' employees.txt
478 awk '/Alice/' employees.txt
479 awk '$2 < 30 {print $1, $2}' employees.txt
480 awk '{printf "Name: %s, Age: %d, Salary: %d\n", $1, $2, $3}' employees.txt
481 awk 'END {print "Total employees="
482 ls -l
483 q
484 quit
485 exist
486 history
487 awk 'END {print "Total employees= ", NR}' employees.txt
488 ls -l
489 ls -l s1.txt
490 chmod u+x s1.txt
491 ls -l s1.txt
492 chmod o-r s1.txt
493 ls -l s1.txt
494 chmod 462 s1.txt
495 ls -l s1.txt
```

```
459 sed -i 's/Hello/Hi/' sed_test
460 cat sed_test
461 sed 's/!/$/g' sed_test
462 cat sed_test
463 sed '/simple/d' sed_test
464 sed '/Hi/a Welcome to sed' sed_test
465 sed -n '/Hi/p' sed_test
466 nano employees.txt
467 cat employees.txt
468 awk '{print $0}' employees.txt
469 awk '{print $1, $3}' employees.txt
470 awk '$3>500000 '{print $1, $3}' employees.txt
471 awk 'BEGIN {print "Name:, Salary: "} {print $1, $3}' employees.txt
472 awk 'BEGIN {print "Name Salary"} {print $1, $3}' employees.txt
473 awk 'BEGIN {print "Name Age Salary"} {print $1, $2, $3}' employees.txt
474 awk '{total+= $3} END {print "Total Salary=", total}' employees.txt
475 awk '{print $0}' employees.txt
476 awk '{print NR, $1}' employees.txt
477 awk '{print NR, $0}' employees.txt
478 awk '/Alice/' employees.txt
479 awk '$2 < 30 {print $1, $2}' employees.txt
480 awk '{printf "Name: %s, Age: %d, Salary: %d\n", $1, $2, $3}' employees.txt
481 awk 'END {print "Total employees="
482 ls -l
483 q
484 quit
485 exist
486 history
487 awk 'END {print "Total employees= ", NR}' employees.txt
488 ls -l
489 ls -l s1.txt
490 chmod u+x s1.txt
491 ls -l s1.txt
492 chmod o-r s1.txt
493 ls -l s1.txt
494 chmod 462 s1.txt
495 ls -l s1.txt
496 history
```

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