```
323  vi sum.c
324  gcc sum.c && ./a.out
325  vi filecmd
326  cat filecmd
327  cat sum.c
328  gcc sum.c
329  ./a.out
330  gcc sum.c && ./a.out
331  ls
332  more filecmd
333  nano filecmd
334  more filecmd
335  less filecmd
336  head filecmd
337  head -n 5 filecmd
338  tail filecmd
339  tail +5 filecmd
340  nano sample.txt
341  cat sample.txt
342  cut -c 1-3 sample.txt
343  cut -c 4-10 sample.txt
344  cat sample.txt
345  cut -d ':' -f2 sample.txt
346  cut -d ':' -f2,3 sample.txt
347  ls
348  cat demo
349  nano f1
350  nano f2
351  cat fi
352  cat f1
353  cat f2
354  paste f1 f2
355  paste -d ':' f1 f2
356  paste -s f1 f2
357  cat sample.txt
358  sort sample.txt
359  sort sample.txt -r
360  sort -t ':' -k2 sample.txt
361  sort -t ':' -k3 sample.txt
362  sort -t ':' -k4 sample.txt
363  sort -t ':' -k3 sample.txt -r
364  cat sample.txt
365  tr ':' '|' < sample.txt
366  cat sample.txt
367  ls
368  tr ':' '|' < sample.txt > s1.txt
369  ls
370  cat s1.txt
```

```
371  tr ':0' '|$' < sample.txt
372  cat sample.txt
373  tr -s '0' < sample.txt
374  cat sample.txt
375  tr -d '0' < sample.txt
376  nano example.txt
377  cat example.txt
378  uniq example.txt
379  nano example.txt
380  cat example.txt
381  uniq example.txt
382  ls
383  cat sample.txt
384  cat s1.txt
385  cmp sample.txt s1.txt
386  diff sample.txt s1.txt
387  ls
388  nano test.c
389  cat test.c
390  grep main test.c
391  grep ^main test.c
392  grep ^int test.c
393  grep \; test.c
394  nano test.c
395  cat test.c
396  grep ^int test.c
397  nano sed_test
398  cat sed_test
399  sed 's/Hello/Hi/' sed_test
400  cat sed_test
401  sed -i 's/Hello/Hi/' sed_test
402  cat sed_test
403  sed 's/!/$/g' sed_test
404  cat sed_test
405  sed '/simple/d' sed_test
406  sed '/Hi/a Welcome to sed' sed_test
407  sed -n '/Hi/p' sed_test
408  nano employees.txt
409  cat employees.txt
410  awk '{print $0}' employees.txt
411  awk '{print $1, $3}' employees.txt
412  awk $3>50000 '{print $1, $3}' employees.txt
413  awk '$3 > 50000 {print $1, $3}' employees.txt
414  awk 'BEGIN {print "Name:, Salary: "} {print $1, $3}' employees.txt
415  awk 'BEGIN {print "Name Salary"} {print $1, $3}' employees.txt
416  awk 'BEGIN {print "Name Age Salary"} {print $1, $2, $3}' employees.txt
417  awk '{total+= $3} END {print "Total Salary=", total}' employees.txt
418  awk '{print $0}' employees.txt
```

```
419  awk '{print NR, $1}' employees.txt
420  awk '{print NR, $0}' employees.txt
421  awk '/Alice/' employees.txt
422  awk '$2 < 30 {print $1, $2}' employees.txt
423  awk '{printf "Name: %s, Age: %d, Salary: %d\n", $1, $2, $3}' employees.txt
424  awk 'END {print "Total employees= ", NR}' employees.txt
425  ls -l
426  ls -l s1.txt
427  chmod u+x s1.txt
428  ls -l s1.txt
429  chmod o-r s1.txt
430  ls -l s1.txt
431  chmod 462 s1.txt
432  ls -l s1.txt
433  history
```