

Test Case	Input	Expected Result	Output
K clears line	the quick brownKfoxE	the quick brownKfoxf fox	<pre>Zaur@LAPTOP-VJ48LA00:~/data-comm/c4981/c4981-assign1\$ ./assign1.out the quick brownKfoxf fox █</pre>
X deletes 1 character	abXcdE	abXcd acd	<pre>Zaur@LAPTOP-VJ48LA00:~/data-comm/c4981/c4981-assign1\$ ./assign1.out abXcd zcd</pre>
a gets replaced by z	alphabetE	alphabet zlpzhbet	<pre>Zaur@LAPTOP-VJ48LA00:~/data-comm/c4981/c4981-assign1\$ ./assign1.out alphabet zlpzhbet █</pre>
Characters are echoed	asdf	asdf	<pre>Zaur@LAPTOP-VJ48LA00:~/data-comm/c4981/c4981-assign1\$ ./assign1.out asdf</pre>
E sends characters to be translated	Roses are redE	Roses are red Roses zre red	<pre>Zaur@LAPTOP-VJ48LA00:~/data-comm/c4981/c4981-assign1\$ ./assign1.out Rose are red Rose zre red</pre>
T terminates the program normally	T	Termination of the program with no zombies	<pre>Zaur@LAPTOP-VJ48LA00:~/data-comm/c4981/c4981-assign1\$ ./assign1.out Zaur@LAPTOP-VJ48LA00:~/data-comm/c4981/c4981-assign1\$  top - 22:22:40 up 2 days, 5:14, 0 users, load average: 0.52, 0.58, 0.59 Tasks:  9 total,  1 running,  7 sleeping,  1 stopped,  0 zombie %Cpu(s):  0.8 us,  1.0 sy,  0.0 ni, 98.1 id,  0.0 wa,  0.0 hi,  0.0 si,  0.0 st KiB Mem : 16668364 total, 9481284 free,  6950684 used,  236476 buff/cache KiB Swap: 50331648 total, 50261040 free,   70688 used,  9576824 avail Mem    PID USER      PR  NI    VIRT    RES    SHR  S  %CPU  %MEM     TIME+ COMMAND     1 root        20   0   10432     96     64  S   0.0   0.0   0:00.06 init     2 Zaur       20   0   25808   1884   1784  S   0.0   0.0   0:00.19 bash    24 Zaur       20   0   39204    256    160  S   0.0   0.0   0:00.01 tmux    26 Zaur       20   0   40516   2108    1012  S   0.0   0.0   0:24.50 tmux    27 Zaur       20   0   55128   3060    2008  S   0.0   0.0   0:02.92 bash    43 Zaur       20   0   54760   2544    2340  S   0.0   0.0   0:00.25 bash   120 Zaur       20   0   54800   1896    1808  S   0.0   0.0   0:00.07 bash   179 Zaur       20   0   79640   3124      0  T   0.0   0.0   0:00.94 vim  1152 Zaur      20   0   70768   1124    588  R   0.0   0.0   0:01.77 top</pre>

^K terminates the program abnormally	^K	Abnormal termination of the program with no zombies	<pre>Zaur@LAPTOP-V348LA08:~/data-comm/c4981/c4981-assign1\$ ./assign1.out Quit (core dumped) Zaur@LAPTOP-V348LA08:~/data-comm/c4981/c4981-assign1\$  top - 22:23:16 up 2 days, 5:14, 0 users, load average: 0.52, 0.50, 0.59 tasks:  0 total,  1 running,  7 sleeping,  1 stopped,  0 zombie %Cpu(s):  1.6 us,  7.6 sy,  0.0 ni, 90.8 id,  0.0 wa,  0.0 hi,  0.0 si,  0.0 st KiB Mem : 16668364 total,  9581096 free,  6850792 used,  236476 buff/cache KiB Swap: 50331648 total, 50242216 free,    89432 used,  9676716 avail Mem    PID USER      PR  NI   VIRT   RES   SHR  S  %CPU  %MEM    TIME+  COMMAND     1 root        20   0   10432    96    64  S   0.0   0.0   0:00.00  init     2 Zaur        20   0   25808   1804   1784  S   0.0   0.0   0:00.19  bash    24 Zaur        20   0   39204    256    160  S   0.0   0.0   0:00.01  tmux    26 Zaur        20   0   40516   2108   1012  S   0.0   0.0   0:24.50  tmux    27 Zaur        20   0   55128   3060   2808  S   0.0   0.0   0:02.92  bash    43 Zaur        20   0   54760   2544   2340  S   0.0   0.0   0:00.25  bash   128 Zaur        20   0   54880   1896   1808  S   0.0   0.0   0:00.07  bash   179 Zaur        20   0   79640   3124     0  T   0.0   0.0   0:00.94  vim  1152 Zaur        20   0   70768   1124    508  R   0.0   0.0   0:01.79  top</pre>
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