

```
Script started on 2023-09-14 20:00:09+00:00 [TERM="xterm-256color" TTY="/dev/pts/0" COLUMNS="64" LINES="38"]
\\033[01;34m\\w\\033[00m\\$ pwd
/home/runner/Lab-6-Simple-Run-Length-Encoding-kcp3s
\\033[01;34m\\w\\033[00m\\$ la -la
total 2536
drwxr-xr-x 1 runner runner    208 Sep 14 20:00 .
drwxrwxrwx 1 runner runner    128 Sep 14 19:29 ..
-rw-r--r-- 1 runner runner     17 Aug 18 20:59 .breakpoints
drwxr-xr-x 1 runner runner     12 Jan 24  2022 .cache
drwxr-x--- 1 runner runner    584 Sep 14 17:52 .ccls-cache
drwxr-xr-x 1 runner runner     68 Sep 14 19:30 .lesson
-rwxr-xr-x 1 runner runner 1272632 Sep 14 19:48 main
-rw-r--r-- 1 runner runner    511 Sep 14 19:48 main.cpp
-rwxr-xr-x 1 runner runner 1258728 Aug 18 20:58 main-debug
-rw-r--r-- 1 runner runner  29432 Apr 21  2022 main.o
-rw-r--r-- 1 runner runner    432 Aug 18 21:02 Makefile
-rw-r--r-- 1 runner runner      0 Sep 14 20:00 Patel_Lab_6.log
-rw-r--r-- 1 runner runner   1426 Dec 21  2022 .replit
-rw-r--r-- 1 runner runner    143 Sep 10 19:08 replit.nix
\\033[01;34m\\w\\033[00m\\$ cat -n main.cpp
 1  #include <iostream>
 2  #include<string>
 3
 4  int main() {
 5
 6      std::string text_compress;
 7
 8      std::cout << "Enter text to compress: ";
 9      std::getline(std::cin, text_compress);
10      int length = text_compress.length();
11
12      int count = 1;
13
14      for (int i = 1; i < length; i++) {
15
16          if (text_compress[i] == text_compress[i-1]){
17              count++;
18          }
19          else{
20              std::cout << count << text_compress[i-1];
21              count=1;
22          }
23
24      }
25      std::cout << count << text_compress[length-1];
26      std::cout << std::endl;
27
28
29  }\\033[01;34m\\w\\033[00m\\$ g++ main.cpp -o runlength
\\033[01;34m\\w\\033[00m\\$ ./runlength
Enter text to compress: a
1a
\\033[01;34m\\w\\033[00m\\$ ./runlength
Enter text to compress: aaaabbbbccccccc
4a4b4c3e
\\033[01;34m\\w\\033[00m\\$ ./runlength
Enter text to compress: What is your favorite color?
1W1h1a1t1 1i1s1 1y1o1u1r1 1f1a1v1o1r1i1t1e1 1c1o1l1l1o1r1?
\\033[01;34m\\w\\033[00m\\$ exit

Script done on 2023-09-14 20:05:15+00:00 [COMMAND_EXIT_CODE="0"]
```