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**: Compression by keeping track of duplicates**

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Write a program to replace consecutive duplicates in a string by a digit representing the corresponding number of occurrences.

Use the tool *make* to automate compilation. Perform a *typescript* session to capture the interaction with the program as usual.

1. `script hw03.scr`
2. `date`
3. `ls -l`
4. `make all`
5. `ls -l`
6. `./hw03`
7. *// interact with the program (enter values, etc...)*
8. hold down the control key and press d to issue the EOF signal

Create a `tar` package file `hw03.tar` that includes all the files:

```
tar cf hw03.tar hw03.h hw03.cpp hw03.scr
```

Submit the `tar` package file `hw03.tar` to canvas by the due date on top of this page.