

At first I have to say thanks a lot for this assignment

I always wanted to code a unix tool like this but never know where to start

I dig some man pages from github readme that instructor gave like fork exec strsep etc.

I found some shells from github that gave me intuition and little bit knowledge

Everything was easy until I saw builtin redirection and infinite spaces between words

I created the sep command and I forgot to use pointers and could not perform at best while writing functions as pointer return

After some steps I get used to it and did at best I guess.

When I done everything until the path builtin

I thought I did everything right and it felt like I am right beause I did not know you should copy strings by strcpy and not assign pointers to other pointers.

This was a painkill because when I change my path and write a command my path did always reset.

I figured it was taking the inputs adress not the string itself and this took me 3 hours to find cause there were no other bugs.

After that I work with spaces between tokens it was easy I could write infinite spaces and that will work

However there was one more bug with tabs

When I enter a input like ls \t\t\t\t it was not working and I thought I can trim the tokens again. It worked.

But when I type tab after the first argument and a argument again like ls\t\t -a this was taking all of them as just one argument

I think and I again used strsep with tabs as a delimiter for all tokens again and created a new token so that fixed that.

The not fun part was redirect because I create severel rules for it like when > is next to a space or after a word

or word comes after that etc. But that was good too.

For the error part I pasted the error that teacher gave us "The one and only error to rule them all".

I want to thank to our teacher Sir Baris for this amazing project again.

For my part I was idiot to work on this for just last 2 days and not for 6 weeks.

I could have created a history use arrow keys and make fully functional shell. But this was good too.

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