

CS1050 – Prelab 11

Fall 2024

Concepts to Practice

- Characters
- Strings
- Standard Library functions for characters

Description

For the prelab assignment, you need to implement a program that takes pre-defined strings and removes all of the whitespace from those strings.

To get started on this prelab, type the following while logged in to tc.rnet.missouri.edu:

```
cs1050start prelab11
```

This command will create a directory called prelab10. Go into that directory (“cd prelab10”) and get a list of the files there (“ls -la”). Notice that there is a file called prelab11.c. You can start editing this file to do your prelab.

Functions You Must Write

You may write any functions you wish to implement this program, in **addition** to the following function. However, you **must** implement the following function, and it must be prototyped as shown.

- **char * KillWhiteSpace(char *)** – This function takes a string and changes that string to have no whitespaces in it. I suggest changing the string in-place, but there might be other ways to do it...if you are really careful.

This might be a short prelab! You only have to write this function and you are done....if it works!

What you should and should not do

- **Do** write an implementation for KillWhiteSpace().
- **Do not** use any global variables
- **Do not** change main()
- **Do not** change the KillWhiteSpace() prototype

Sample Output

```
jimr@CENGR-BMVNN34:/home/jimr/CS1050/FS2024/labs/prelab11>compile prelab11.c
```

```
jimr@CENGR-BMVNN34:/home/jimr/CS1050/FS2024/labs/prelab11>./a.out
```

```
**** Original Strings ****
```

```
#0: I'm not cool and I'm not smart and I can't even parallel park.
```

```
#1:
```

```
    Mommy's alright.
```

```
    Daddy's alright.  They just seem a little weird.
```

```
#2: Every cheap hood strikes a bargain with the world.  Ends up making payments on a  
sofa or a girl.
```

```
#3: Now some guys they just give up living.  And start dying little by little, piece  
by piece.
```

```
**** Strings without whitespace ****
```

```
#0: I'mnotcoolandI'mnotsmartandIcan'tevenparallelpark.
```

```
#1: Mommy'salright.Daddy'salright.Theyjustseemalittleweird.
```

```
#2: Everycheaphoodstrikesabargainwiththeworld.Endsupmakingpaymentsonasofaoragirl.
```

```
#3: Nowsomeguystheyjustgiveupliving.Andstartdyinglittlebylittle,piecebypiece.
```