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**Cs 270**

**Assignment 2**

**October 4, 2010**

**Source:**

#include <stdio.h>

#include <stdlib.h>

int makearg(char \*s, char \*\*args[]);

int main()

{

char \*\*argv, str[100];

int argc, m=0, i=0, k=-1;

printf("%s", "Enter text>");

while(str[k]!='\n')

{

k++;

str[k]=getchar(); /\*receiving input\*/

}

argc=makearg(str, &argv); /\*stores input into 2-D array via passing a pointer to the 2d array\*/

printf("\nthe amount of arguements are %d \n\n",argc);

while(m<argc)

{

printf("%s", argv[m]);

printf("\n");

m++;

}

}

int makearg(char \*s, char \*\*args[])

{

int i=0, tok=0, flag=0, row=0, col=0;

char \*\*tmp=(char \*\*)malloc(1000\*(sizeof(char \*))); /\*creates 2-d array\*/

if(tmp=='\0')

{

return -1;

}

while(s[i]!='\0')

{

if(s[i]!=' ' && flag==0)

{

tmp[col]=&s[i]; /\*have 2-d array point to input’s address\*/

flag=1;

}

else if(s[i]==' ' && flag==1)

{

tmp[col][row]='\0'; /\*nullifying spaces\*/

row=0;

col++; /\*increment to next word\*/

flag=0;

tok++;

}

i++;

if(s[i]=='\n')

{

s[i]='\0'; /\*when you get to \n, end array with null\*/

}

if(flag==1)

{

row++;

}

}

tok++;

\*args=tmp; /\* makes args point to 2 dimensional array\*/

return tok;

}