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Agregar etiquetas
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#include <stdio.h>
#include <assert.h>
#define SIZE_OF_ARRAY 7
#define
NUM_OF_ROWS_OF_TWO_DIM_CHAR_ARRAY
12
#define LENGTH(A) (sizeof(A)/sizeof(A[0]))
char (*fn(size_t index)) [];
typedef char (*char_array_pt_t)[];
char (*Fn()) [] [16];
typedef char (*two_dim_char_array_pt_t)[][16];
char (*union_de_dias()
   char str1[], char str2[]))[];
char (*tokenizer(char arr[],
size_t *tokens_nr))[][16];
int main()
size_t i;
char_array_pt_t char_pt;
two_dim_char_array_pt_t
```

```
two_dim_char_array_pt;
for (i=0;i<SIZE_OF_ARRAY;i++) {</pre>
 char_pt = fn(i);
 printf("%16s\n",*char_pt);
char_pt = fn(SIZE_OF_ARRAY);
printf ("%16s",*char_pt);
two_dim_char_array_pt = Fn();
printf("\n");
for
(i=0;i<NUM_OF_ROWS_OF_TWO_DIM_CHAR_AR
RAY;i++) {
   printf("%16s\n",(*two_dim_char_array_pt)[i]);
}
return 0;
char_array_pt_t fn(size_t index) {
size_t i;
static char empty_set[] = "{ }";
```

```
static char array[][16] = {
"DOMINGO",
"LUNES",
"MARTES",
"MIERCOLES",
"JUEVES",
"VIERNES",
"SABADO"
};
static_assert(SIZE_OF_ARRAY ==
LENGTH(array), "SIZE_OF_ARRAY y
LENGTH(array) deben ser iguales");
for (i=0;i<LENGTH(array);i++){</pre>
 if (index == i) {
   return array[i];
 return &empty_set;
}
two_dim_char_array_pt_t Fn()
```

```
static char two_dim_array[][16] = {
"ENERO",
"FEBRERO",
"MARZO",
"ABRIL",
"MAYO",
"JUNIO",
"JULIO",
"AGOSTO",
"SEPTIEMBRE",
"OCTUBRE",
"NOVIEMBRE",
"DICIEMBRE"
};
static_assert(
NUM_OF_ROWS_OF_TWO_DIM_CHAR_ARRAY ==
LENGTH(two_dim_array),
"NUM_OF_ROWS_OF_TWO_DIM_CHAR_ARRAY \
y LENGTH(two_dim_array) deben ser \
iguales");
return &two_dim_array;
```

```
char_array_pt_t union_de_dias(
   char str1[], char str2[])
size_t i,j,n1,n2;
static char array[SHRT_MAX] = {
'\0'
};
array[0] = '{';
two_dim_char_array_pt_t
two_dim_char_array_pt1 =
tokenizer(str1,&n1);
two_dim_char_array_pt_t
two_dim_char_array_pt2 =
tokenizer(str2,&n2);
for (i=0;strcmp(
(*two_dim_char_array_pt1)[i],"");i++)
 for (j=0;
strcmp(*two_dim_char_array_pt1)[i]],
"");j++){
if(strcmp(
 (*two_dim_char_array_pt1)[i],
```

```
(*two_dim_char_array_pt2)[j])
){
   strcpy(
    (*two_dim_char_array_pt1)[n1++],
    (*two_dim_char_array_pt2)[j]);
   }
}
return &array;
}
```