```c
#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_pt_t)[] ;
char (*Fn()) [] [16];
typedef char (*two_dim_char_array_pt_t)[][16];
int main()
{
size_t i;
char_pt_t char_pt;
two_dim_char_array_pt_t two_dim_char_array_pt;
for (i=0;i<SIZE_OF_ARRAY;i++) {
  char_pt = fn(i);
  printf("%16s\n",*char_pt);
}
char_pt = fn(SIZE_OF_ARRAY);
```

```c
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_pt_t fn(size_t index) {
size_t i;
static char empty_set[] = "{ }";
static char array[][16] = {
"DOMINGO",
"LUNES",
"MARTES",
"MIERCOLES",
"JUEVES",
"VIERNES",
```

```c
"SABADO"
};
static_assert(SIZE_OF_ARRAY ==
LENGTH(array),"SIZE_OF_ARRAY y
LENGTH(array) deben ser iguales") ;

for (i=0;i<LENGTH(array);i++){
  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",
```

```c
    "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;
}
```