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//  
// UCI DCE 22 Fall  
//  
// EECS_805: C Programming for Embedded System  
// Module 5 Lab  
//  
// Cheng Fei  
//
```

```
#include <stdlib.h>  
#include <stdio.h>
```

```
#define MAX 10
```

```
// Function Prototypes.
```

```
void init_array(int[], int);  
void copy_array(int[], int[]);
```

```
int main(void) {  
    int array1[MAX];  
    int array2[MAX];  
  
    init_array(array1, 0xFE);  
    printf("Elements in array1 are: \n");  
    for (int i = 0; i < MAX; i++) {  
        printf("%d ", array1[i]);  
    }  
    printf("\n-----\n");  
    printf("Copying...");  
    printf("\n-----\n");  
    copy_array(array1, array2);  
    printf("Elements in array2 are: \n");  
    for (int i = 0; i < MAX; i++) {  
        printf("%d ", array2[i]);  
    }  
    printf("\n-----\n");  
  
    return EXIT_SUCCESS;  
}
```

```
// Initialize all elements in array1 with value.
```

```
void init_array(int array1[], int value) {  
    for (int i = 0; i < MAX; i++) {  
        array1[i] = value;  
    }  
}
```

```
// Copy all elements from array1 to array2.
```

```
void copy_array(int array1[], int array2[]) {  
    for (int i = 0; i < MAX; i++) {  
        array2[i] = array1[i];  
    }  
}
```

Elements in array1 are:

254 254 254 254 254 254 254 254 254 254

Copying...

Elements in array2 are:

254 254 254 254 254 254 254 254 254 254
