```c
#include <stdio.h>
#include <stdbool.h>
#define MAX_BLOCKS 10
int main() {
    int memory[MAX_BLOCKS] = {0};
    int n, start, length;
    char choice;
    printf("Sequential File Allocation Simulation\n");
    do {
        printf("Enter starting block (0 - %d): ", MAX_BLOCKS - 1);
        scanf("%d", &start);
        printf("Enter length of file: ");
        scanf("%d", &length);
        if (start < 0 || start + length > MAX_BLOCKS) {
            printf("Error: Out of memory bounds.\n");
        } else {
            bool canAllocate = true;
            for (int i = start; i < start + length; i++) {
                if (memory[i] == 1) {
                    canAllocate = false;
                    break;}}
if (canAllocate) {
                for (int i = start; i < start + length; i++) {
                    memory[i] = 1;}
                printf("Fi int main::i from block %d to %d.\n", start, start + length - 1);
            } else {
                printf("Error: Blocks already allocated. Allocation failed.\n");}}
printf("Do you want to allocate another file? (y/n): ");
        scanf(" %c", &choice);
} while (choice == 'y' || choice == 'Y');
printf("\nFinal Memory Allocation:\n");
    for (int i = 0; i < MAX_BLOCKS; i++) {
        printf("%d", memory[i]);}
    printf("\n");
return 0;
}
```

```
Sequential File Allocation Simulation
Enter starting block (0 - 9): 8
Enter length of file: 2
File allocated from block 8 to 9.
Do you want to allocate another file? (y/n): y
Enter starting block (0 - 9): 5
Enter length of file: 1
File allocated from block 5 to 5.
Do you want to allocate another file? (y/n): n

Final Memory Allocation:
0000010011

Process returned 0 (0x0)   execution time : 154.778 s
Press any key to continue.
```