

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

int main() {

    char *chars;
    chars = (char*)malloc(10);

    memset(chars, 0x01, 10);
    if ( chars == NULL) {
        /// ...
        return 1;
    }

    int i;
    for (i = 0; i < 4; ++i)
        chars[i] = 'a' + i;
    chars[i] = '\0';
    chars[4] = '\0';

    for (i = 0; i < 10; ++i)
        printf("%d is %c\n", i , chars[i]);
    printf("chars is: %s\n", chars);

    free(chars);
    chars = NULL;

    return 0;
}
```