buffer.c File Reference

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

Go to the source code of this file.

Macros

#define BUYUKLUK 10

Functions

```
int push (char value)
int pop (char *value)

void buffer_goster ()
int main ()
```

Variables

```
char buffer [BUYUKLUK]
int head = 0
int tail = 0
int count = 0
```

Macro Definition Documentation

```
◆ BUYUKLUK
```

#define BUYUKLUK 10

Definition at line 4 of file buffer.c.

Function Documentation

buffer_goster()

```
void buffer_goster()
Definition at line 31 of file buffer.c.
     31 🗌
               printf("Buffer durumu: [");
     32
               for (int i = 0; i < BUYUKLUK; i++) {</pre>
     33
     34
                    if (count == 0) {
                        printf(" -");
     35
                    } else {
     36
     37
                        int aktif = 0;
     38
                        if (tail < head) {</pre>
                             if (i >= tail && i < head) aktif = 1;</pre>
     39
     40
                        } else if (tail > head) {
     41
                             if (i >= tail || i < head) aktif = 1;</pre>
                        } else if (count == BUYUKLUK) {
     42
     43
                             aktif = 1;
     44
     45
                        if (aktif) {
     46
     47
                             printf(" %c", buffer[i]);
     48
                        } else {
                             printf(" -");
     49
     50
                        }
     51
                    }
     52
               }
     53
               printf(" ]\n");
     54
```

```
main()
```

```
int main ( )
```

Definition at line 56 of file buffer.c.

```
56
 57
           int secim;
           char giris[100];
 58
 59
           char alinan;
 60
 61
           while (1) {
 62
               printf("\n1 - Ekle (coklu harf veya rakam)\n2 - Oku (cikart)\n0 - Cikis\nS
      ecim: ");
 63
               scanf("%d", &secim);
               while ((getchar()) != '\n');
 64
 65
 66
               switch (secim) {
 67
                   case 1:
                        printf("Giris (birden fazla harf/rakam yaz): ");
 68
 69
                        fgets(giris, sizeof(giris), stdin);
 70
                       giris[strcspn(giris, "\n")] = '\0';
 71
 72
                       for (int i = 0; i < strlen(giris); i++) {</pre>
 73
                            if (push(giris[i])) {
 74
                                printf("Eklendi: %c\n", giris[i]);
 75
 76
                                printf("Buffer dolu, eklenemedi: %c\n", giris[i]);
 77
                                break;
 78
                            }
 79
                       buffer_goster();
 80
 81
                       break;
 82
 83
                   case 2:
 84
                       if (pop(&alinan)) {
 85
                            printf("Okunan karakter: %c\n", alinan);
 86
                       } else {
 87
                           printf("Buffer bos!\n");
 88
 89
                       buffer_goster();
 90
                       break;
 91
                   case 0:
 92
 93
                        printf("Programdan cikiliyor...\n");
 94
                        return 0;
 95
 96
                   default:
                       printf("Gecersiz secim!\n");
 97
 98
               }
 99
           }
100
101
           return 0;
102
```

```
pop()
```

```
int pop ( char * value )
```

Definition at line 21 of file buffer.c.

```
21
22
          if (count == 0) {
              return 0; // Bo�
23
24
          *value = buffer[tail];
25
         tail = (tail + 1) % BUYUKLUK;
26
27
          count--;
28
         return 1;
29
     }
```

```
push()
```

int push (char value)

Definition at line 11 of file buffer.c.

```
11
12
    if (count == BUYUKLUK) {
        return 0; // Dolu
    }
14
    }
15
    buffer[head] = value;
    head = (head + 1) % BUYUKLUK;
    count++;
18
    return 1;
}
```

Variable Documentation

buffer

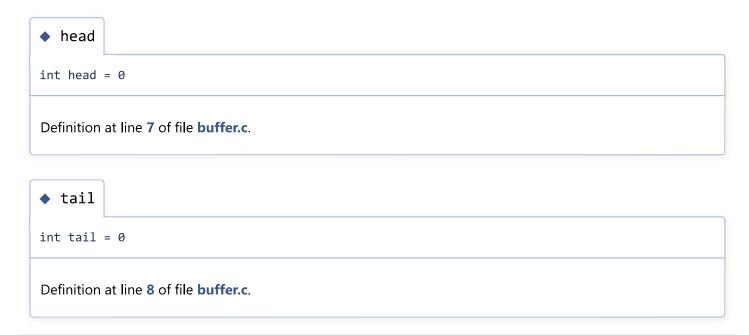
char buffer[BUYUKLUK]

Definition at line 6 of file buffer.c.

count

int count = 0

Definition at line 9 of file buffer.c.



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