

```

1 #include <stdio.h>
2 #include <string.h>
3
4 int main() {
5     char hi[] = {'H', 'i', ' ', 'a', 'l', 'l', '!', '!'};
6     char helloeveryone[] = {'H', 'e', 'l', 'l', 'o', ' ', ' ', ' ',
7                             'e', 'v', 'e', 'r', 'y', 'o', 'n', 'e', '!', '!'};
8     puts(hi);
9     puts(helloeveryone);
10    printf("%ld\n", strlen(hi));
11    printf("%ld\n", strlen(helloeveryone));
12 }

```

```

$ gcc adjacent2.c -o adjacent2
$ ./adjacent2

```

Binary	Dec	Char	Binary	Dec	Char	Binary	Dec	Char	Binary	Dec	Char
00000000	0	NUL	00100000	32	(space)	01000000	64	@	01100000	96	`
00000001	1	SOH	00100001	33	!	01000001	65	A	01100001	97	a
00000010	2	STX	00100010	34	"	01000010	66	B	01100010	98	b
00000011	3	ETX	00100011	35	#	01000011	67	C	01100011	99	c
00000100	4	EOT	00100100	36	\$	01000100	68	D	01100100	100	d
00000101	5	ENQ	00100101	37	%	01000101	69	E	01100101	101	e
00000110	6	ACK	00100110	38	&	01000110	70	F	01100110	102	f
00000111	7	BEL	00100111	39	'	01000111	71	G	01100111	103	g
00001000	8	BS	00101000	40	(	01001000	72	H	01101000	104	h
00001001	9	HT	00101001	41	)	01001001	73	I	01101001	105	i
00001010	10	LF	00101010	42	*	01001010	74	J	01101010	106	j
00001011	11	VT	00101011	43	+	01001011	75	K	01101011	107	k
00001100	12	FF	00101100	44	,	01001100	76	L	01101100	108	l
00001101	13	CR	00101101	45	-	01001101	77	M	01101101	109	m
00001110	14	SO	00101110	46	.	01001110	78	N	01101110	110	n
00001111	15	SI	00101111	47	/	01001111	79	O	01101111	111	o
00010000	16	DLE	00110000	48	0	01010000	80	P	01110000	112	p
00010001	17	DC1	00110001	49	1	01010001	81	Q	01110001	113	q
00010010	18	DC2	00110010	50	2	01010010	82	R	01110010	114	r
00010011	19	DC3	00110011	51	3	01010011	83	S	01110011	115	s
00010100	20	DC4	00110100	52	4	01010100	84	T	01110100	116	t
00010101	21	NAK	00110101	53	5	01010101	85	U	01110101	117	u
00010110	22	SYN	00110110	54	6	01010110	86	V	01110110	118	v
00010111	23	ETB	00110111	55	7	01010111	87	W	01110111	119	w
00011000	24	CAN	00111000	56	8	01011000	88	X	01111000	120	x
00011001	25	EM	00111001	57	9	01011001	89	Y	01111001	121	y
00011010	26	SUB	00111010	58	:	01011010	90	Z	01111010	122	z
00011011	27	ESC	00111011	59	;	01011011	91	[	01111011	123	{
00011100	28	FS	00111100	60	<	01011100	92	\	01111100	124	|
00011101	29	GS	00111101	61	=	01011101	93	]	01111101	125	}
00011110	30	RS	00111110	62	>	01011110	94	^	01111110	126	~
00011111	31	US	00111111	63	?	01011111	95	_	01111111	127	DEL

```
1 #include <string.h>
2 #include <stdio.h>
3 #include <stdlib.h>
4
5 void inspect(char s[]) {
6     int index = 0;
7     while(s[index] != 0) {
8         printf("%c (%hhu) ", s[index], s[index]);
9         index += 1;
10    }
11    printf("\n");
12 }
13
14 char lower(char c) {
15
16
17
18
19 }
20
21 void lowercase(char s[]) {
22     int index = 0;
23
24     while(
25
26         s[index] = lower(s[index]);
27         index += 1;
28     }
29 }
30
31 int main() {
32     char abc[] = "ABC";
33     lowercase(abc);
34     inspect(abc);
35
36     char mixed[] = "Hello Aaron!";
37     lowercase(mixed);
38     inspect(mixed);
39
40
41
42
43
44
45 }
```