```
1.str="yaswanth";
let res;arr="";
for(i=0;i<str.length;i++){
    res=str.charCodeAt(i)-1
arr+=String.fromCharCode(res)+" "
}
console.log(arr)
output:-
x ` r v ` m s g</pre>
```

## **ASCII Table**

```
Dec = Decimal Value
Char = Character
'5' has the int value 53
if we write '5'-'0' it evaluates to 53-48, or the int 5
if we write char c = 'B'+32; then c stores 'b'
```

Char		Dec	Char	Dec	Char	Dec	Char	
NUL	(null)	32	SPACE	64		96	` ` ` ` `	
SOH	(start of heading)	33	!	65	A	97	a	
STX	(start of text)	34	"	66	В	98	b	
ETX	(end of text)	35	#	67	С	99	С	
EOT	(end of transmission)	36	\$	68	D	100	d	
ENQ	(enquiry)	37	용	69	E	101	е	
ACK	(acknowledge)	38	&	70	F	102	f	
BEL	(bell)	39	•	71	G	103	g	
BS	(backspace)	40	(	72	Н	104	h	
TAB	(horizontal tab)	41	)	73	I	105		
LF	(NL line feed, new line)	42	*	74	J	106	j	
VT	(vertical tab)	43	+	75	K	107	k	
FF	(NP form feed, new page)	44	,	76	L	108	1	
CR	(carriage return)	45	-	77	M	109	m	
SO	(shift out)	46		78	N	110	n	
SI	(shift in)	47	/	79	0	111	0	
DLE	(data link escape)	48	0	80	P	112	р	
DC1	(device control 1)				Q	113	q	
DC2	(device control 2)	50	<del>-</del>	_	R	114	r	
	,						S	
-	•			_		_	t	
NAK					U		u	
					-		V	
ETB	(end of trans. block)			_	M	119	W	
	,		-				X	
ΕM			9				У	
SUB			:	90	Z	122	Z	
ESC	(escape)	59	;	91	[	123	{	
	NUL SOH STX ETX EOT ENQ ACK BEL BS TAB LF VT FF CR SO SI DLE DC1 DC2 DC3 DC4 NAK SYN ETB CAN EM SUB	STX (start of text) ETX (end of text) EOT (end of transmission) ENQ (enquiry) ACK (acknowledge) BEL (bell) BS (backspace) TAB (horizontal tab) LF (NL line feed, new line) VT (vertical tab) FF (NP form feed, new page) CR (carriage return) SO (shift out) SI (shift in) DLE (data link escape) DC1 (device control 1) DC2 (device control 2) DC3 (device control 3) DC4 (device control 4) NAK (negative acknowledge) SYN (synchronous idle) ETB (end of trans. block) CAN (cancel) EM (end of medium) SUB (substitute)	NUL (null)  SOH (start of heading)  STX (start of text)  ETX (end of text)  EOT (end of transmission)  ENQ (enquiry)  ACK (acknowledge)  BEL (bell)  BS (backspace)  TAB (horizontal tab)  LF (NL line feed, new line)  VT (vertical tab)  FF (NP form feed, new page)  CR (carriage return)  SO (shift out)  SI (shift in)  DLE (data link escape)  DC1 (device control 1)  DC2 (device control 2)  DC3 (device control 4)  NAK (negative acknowledge)  SYN (synchronous idle)  ETB (end of trans. block)  CAN (cancel)  EM (end of medium)  STSUB (substitute)	NUL (null) 32 SPACE  SOH (start of heading) 33 !  STX (start of text) 34 "  ETX (end of text) 35 #  EOT (end of transmission) 36 \$  ENQ (enquiry) 37 %  ACK (acknowledge) 38 &  BEL (bell) 39 '  BS (backspace) 40 (  TAB (horizontal tab) 41 )  LF (NL line feed, new line) 42 *  VT (vertical tab) 43 +  FF (NP form feed, new page) 44 ,  CR (carriage return) 45 -  SO (shift out) 46 .  SI (shift in) 47 /  DLE (data link escape) 48 0  DC1 (device control 1) 49 1  DC2 (device control 2) 50 2  DC3 (device control 3) 51 3  DC4 (device control 4) 52 4  NAK (negative acknowledge) 53 5  SYN (synchronous idle) 54 6  ETB (end of trans. block) 55 7  CAN (cancel) 56 8  EM (end of medium) 57 9  SUB (substitute) 58 :	NUL (null) 32 SPACE 64 SOH (start of heading) 33 ! 65 STX (start of text) 34 " 66 ETX (end of text) 35 # 67 EOT (end of transmission) 36 \$ 68 ENQ (enquiry) 37 % 69 ACK (acknowledge) 38 & 70 BEL (bell) 39 ' 71 BS (backspace) 40 ( 72 TAB (horizontal tab) 41 ) 73 LF (NL line feed, new line) 42 * 74 VT (vertical tab) 43 + 75 FF (NP form feed, new page) 44 , 76 CR (carriage return) 45 - 77 SO (shift out) 46 . 78 SI (shift in) 47 / 79 DLE (data link escape) 48 0 80 DC1 (device control 1) 49 1 81 DC2 (device control 2) 50 2 82 DC3 (device control 3) 51 3 83 DC4 (device control 4) 52 4 84 NAK (negative acknowledge) 53 5 85 SYN (synchronous idle) 54 6 86 ETB (end of trans. block) 55 7 CAN (cancel) 56 8 88 EM (end of medium) 57 9 89 SUB (substitute) 58 : 90	NUL (null)  SOH (start of heading)  STX (start of text)  ETX (end of text)  EOT (end of transmission)  ENQ (enquiry)  ACK (acknowledge)  BEL (bell)  BS (backspace)  TAB (horizontal tab)  LF (NL line feed, new line)  VT (vertical tab)  FF (NP form feed, new page)  CR (carriage return)  SO (shift out)  SI (shift in)  DLE (data link escape)  DC1 (device control 1)  DC2 (device control 3)  DC4 (device control 4)  NAK (negative acknowledge)  EM (Substitute)  EM (end of medium)  EM (end	NUL (null) 32 SPACE 64 @ 96 SOH (start of heading) 33 ! 65 A 97 STX (start of text) 34 " 66 B 98 ETX (end of text) 35 # 67 C 99 EOT (end of transmission) 36 \$ 68 D 100 ENQ (enquiry) 37 % 69 E 101 ACK (acknowledge) 38 & 70 F 102 BEL (bell) 39 ' 71 G 103 BS (backspace) 40 ( 72 H 104 TAB (horizontal tab) 41 ) 73 I 105 LF (NL line feed, new line) 42 * 74 J 106 VT (vertical tab) 43 + 75 K 107 FF (NP form feed, new page) 44 , 76 L 108 CR (carriage return) 45 - 77 M 109 SO (shift out) 46 . 78 N 110 SI (shift in) 47 / 79 O 111 DLE (data link escape) 48 0 80 P 112 DC1 (device control 1) 49 1 81 Q 113 DC2 (device control 2) 50 2 82 R 114 DC3 (device control 3) 51 3 83 S 115 DC4 (device control 4) 52 4 84 T 116 NAK (negative acknowledge) 53 5 85 U 117 SYN (synchronous idle) 54 6 86 V 118 ETB (end of trans. block) 55 7 87 W 119 CAN (cancel) 56 8 88 X 120 EM (end of medium) 57 9 89 Y 121 SUB (substitute) 58 : 90 Z 122	NUL (null) 32 SPACE 64 @ 96 SOH (start of heading) 33 ! 65 A 97 a STX (start of text) 34 " 66 B 98 b ETX (end of text) 35 # 67 C 99 c EOT (end of transmission) 36 \$ 68 D 100 d ENQ (enquiry) 37 % 69 E 101 e ACK (acknowledge) 38 & 70 F 102 f BEL (bell) 39 ' 71 G 103 g BS (backspace) 40 ( 72 H 104 h TAB (horizontal tab) 41 ) 73 I 105 i LF (NL line feed, new line) 42 * 74 J 106 j VT (vertical tab) 43 + 75 K 107 k FF (NP form feed, new page) 44 , 76 L 108 l CR (carriage return) 45 - 77 M 109 m SO (shift out) 46 . 78 N 110 n SI (shift in) 47 / 79 O 111 o DLE (data link escape) 48 0 80 P 112 p DC1 (device control 1) 49 1 81 Q 113 q DC2 (device control 2) 50 2 82 R 114 r DC3 (device control 3) 51 3 83 S 115 s DC4 (device control 4) 52 4 84 T 116 t NAK (negative acknowledge) 53 5 85 U 117 u SYN (synchronous idle) 54 6 86 V 118 v ETB (end of trans. block) 55 7 87 W 119 w CAN (cancel) 56 8 88 X 120 x EM (end of medium) 57 9 89 Y 121 y SUB (substitute) 58 : 90 Z 122 Z

```
92 \
                               60 < 61 =
28 FS (file separator)
                                                       124
                                                           93 ]
29 GS (group separator)
                                                       125
                                                           }
30 RS (record separator)
                               62 >
                                            94 ^
                                                       126
                               63 ?
31 US (unit separator)
                                            95
                                                       127 DEL
```

```
2.str="hello world";
res="";
for(i=0;i<str.length;i++){
  if(str[i]==0){
     continue;
  }
  res=res+str[i]
console.log(res)
output:- helloworld
3.str="hello world";
res="";
for(i=str.length-1;i>=0;i--){}
res=res+str[i]
}
console.log(res)
output:- dlrow olleh
4. str="hello world";
res="";
for(i=str.length-1;i>=0;i--){
  if(str[i]==0){
     continue;
  }
res=res+str[i]
```

```
}
console.log(res)

output:- dlrowolleh
```