

loop tables :

```
1) for (var x=0; x<=17; x=x+2) {  
    console.log(2*x+7);  
}
```

count	x	output
1	0	7
2	2	11
3	4	15
4	6	19
5	8	23
6	10	27
7	12	31
8	14	35
9	16	39

$$\leftarrow 2 * 0 + 7 = 0 + 7 = 7$$

$$\leftarrow 2 * 2 + 7 = 4 + 7 = 11$$

$$\leftarrow 2 * 4 + 7 = 8 + 7 = 15$$

$$\leftarrow 2 * 6 + 7 = 12 + 7 = 19$$

$$\leftarrow 2 * 8 + 7 = 16 + 7 = 23$$

$$\leftarrow 2 * 10 + 7 = 20 + 7 = 27$$

$$\leftarrow 2 * 12 + 7 = 24 + 7 = 31$$

$$\leftarrow 2 * 14 + 7 = 28 + 7 = 35$$

$$\leftarrow 2 * 16 + 7 = 32 + 7 = 39$$


```

2) var alpha = "meowrrr";
   var s1 = '';
   var s2 = '';
   for (var index = 0; index < alpha.length; index++) {
       if (index % 2 == 0) {
           s1 = s1 + alpha.substr(index, 1);
       } else {
           s2 = s2 + alpha.substr(index, 1);
       }
   }
   console.log(s1 + s2);

```

loopcount	index	index % 2	s1	s2	output
1	0	0	m		none
2	1	1	m	p	none
3	2	0	me	p	none
4	3	1	me	pu	none
5	4	0	meo	pu	none
6	5	1	meo	pur	none
7	6	0	meow	pur	none
8	7	1	meow	purrr	none
done~/loop	—	—	meow	purrr	meowpurrr