

Loop table 2

```
Var alpha = 'mpeuorwr';
```

```
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);
```

work:

```
index = 0
```

```
0 % 2 = 0
```

```
s1 = s1 + alpha.substr(0,1);
```

```
s1 = m
```

```
console.log(s1 + s2);
```

```
console.log(m + 0);
```

```
output = m
```

```
index++ = 1
```

```
1 % 2 = 1
```

```
s2 = s2 + alpha.substr(1,1);
```

```
s2 = p
```

```
console.log(s1 + s2);
```

```
console.log(m + p);
```

```
output = mp
```

```
index++ = 2
```

```
2 % 2 = 0
```

```
s1 = m + alpha.substr(2,1);
```

```
s1 = m + e
```

```
s1 = me
```

```
console.log(s1 + s2);
```

```
console.log(me + p);
```

```
output = mep
```

```
index++ = 3
```

```
3 % 2 = 1
```

```
s2 = p + alpha.substr(3,1);
```

```
s2 = p + u
```

```
s2 = pu
```

```
console.log(s1 + s2);  
console.log(me + pu);  
output = mepu
```

```
index++ = 4  
4 % 2 = 0  
s1 = me + alpha.substr(4,1);  
s1 = me + o  
s1 = meo  
console.log(s1 + s2);  
console.log(meo + pu);  
output = meopu
```

```
index++ = 5  
5 % 2 = 1  
s2 = p + alpha.substr(5,1);  
s2 = pu + r  
s2 = pur  
console.log(s1 + s2);  
console.log(meo + pur);  
output = meopur
```

```
index++ = 6  
6 % 2 = 0  
s1 = meo + alpha.substr(4,1);  
s1 = meo + w  
s1 = meow  
console.log(s1 + s2);  
console.log(meow + pu);  
output = meowpu
```

```
index++ = 7  
7 % 2 = 1  
s2 = pur + alpha.substr(5,1);  
s2 = pur + r  
s2 = purr  
console.log(s1 + s2);  
console.log(meow + purr);  
output = meowpurr
```

Loop Count	Value of Index	Value of s1	Value of s2	Output
1	0	m	none	m
2	1		p	mp
3	2	me		mep
4	3		pu	mepu
5	4	meo		meopu
6	5		pur	meopur
7	6	meow		meowpur
8	7		purrr	meowpurrr