Loop Tables

1)

for (var x = 0; x <= 17; x = x + 2) {

console.log(2 \* x + 7);

}

|  |  |  |
| --- | --- | --- |
| Loop count | Value of 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 |

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);

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Loop count | Index | s1 | s2 | Output |
| 1 | 0 | m | *<empty>* |  |
| 2 | 1 | m | p |  |
| 3 | 2 | me | p |  |
| 4 | 3 | me | pu |  |
| 5 | 4 | meo | pu |  |
| 6 | 5 | meo | pur |  |
| 7 | 6 | meow | pur |  |
| 8 | 7 | meow | purr |  |
|  |  |  |  | meowpurr |