

Программирование на языке C#

Циклы **for** и **while**

for (initializer; condition; iterator)
body


```
int b = 3;  
    int res = 0;  
for (int i = 1; i < 10; i++)  
    {  
        res=b*i;  
        Console.WriteLine(res);  
    }
```



```
3  
6  
9  
12  
15  
18  
21  
24  
27
```

While (УСЛОВИЕ) body

```
byte a = 3, i = 0;
    int result = 1;
    while (i < 10)
    {
        i++;
        result *= a;
        Console.WriteLine("{0} ^ {1} = {2}", a, i, result);
    }
```



```
3 ^ 1 = 3
3 ^ 2 = 9
3 ^ 3 = 27
3 ^ 4 = 81
3 ^ 5 = 243
3 ^ 6 = 729
3 ^ 7 = 2187
3 ^ 8 = 6561
3 ^ 9 = 19683
3 ^ 10 = 59049
```