

```
1 #include "Permutations.h"
2
3 void Permutations::calculation(int n, int r)
4 {
5     top = n;
6     for (int i = n - 1; i >= 1; i--)
7     {
8         top *= i;
9     }
10    bottom = n - r;
11    for (int j = 1; j < n-r; j++)
12    {
13        bottom *= j;
14    }
15    answer = top / bottom;
16    cout << answer;
17 }
```