

```

1  #include <iostream>
2  #include <math.h>
3
4  using namespace std;
5  int factorial (int x)
6  {
7      int fact = 1 ;
8      for (int i = 1; i<=x ; i ++ )
9          fact*=i ;
10     return fact ;
11 }
12
13
14 int main()
15 {
16     int r , x ;
17     float c ;
18     cout <<"Enter x , r " <<endl ;
19     cin >> x >> r ;
20     c =( factorial (x) ) / (factorial (r) * factorial (x-r));
21     cout << "Compination equals " << c << endl ;
22
23
24
25     return 0;
26 }
27

```