

```
1  #include <bits/stdc++.h>
2  using namespace std;
3  // variable add
4  int fun(int n)
5  {
6      if(n > 0)
7      {
8          return fun(n-1) + n;
9          // single n add in returning time
10     }
11
12     return 0;
13 }
14 int main()
15 {
16     int a = 5;
17
18     cout << fun(a) << endl;
19
20 }
```