

/* Sum of natural no.s using Recursion */

```
#include <stdio.h>
int sum (int n);
void main ()
{
    int number, result;
    printf ("Enter a positive integer:");
    scanf ("%d", & number);
    result = sum (number);
    printf ("Sum=%d", result);
}
int sum (int n)
{
    if (n != 0)
        return n + sum (n-1);
    else
        return n;
}
```

Output

Enter a positive integer:
3
6

Diagrammatically Explanation

