1.

CODE

#include<iostream>

using namespace std;

void fun(int n)

{

if(n==0)

return ;

else

{

fun(n-1);

cout << n;

}

}

int main()

{

int x=3;

fun(x);

}

OUTPUT

123

RECURSIVE TREE

n = 3

fun(o) #1

fun(1) #2

fun(2) #3

2.

CODE

#include<iostream>

using namespace std;

void get (int n)

{

if (n < 1) return;

get(n-1);

get(n-3);

cout<<n;

}

int main()

{

get(4);

}

OUTPUT

11

RECURSIVE TREE

[11]Get(4)

/ \

[7]Get(3) get(1)

/ \

[5]Get(2) get(0)

/ \

[3]Get(1) get(-1)

/ \

Get(0) get(-2)