class Solution {  
public:  
int fib(int N) {

if(N == 0) return 0;

if(N == 1) return 1;

int xNm2 = 0;

int xNm1 = 1;

int xN = 0;

for(int i = 2; i <= N; i++)

{

xN = xNm1 + xNm2;

xNm2 = xNm1;

xNm1 = xN;

}

return xN;

}

};