**Write a program to find the Fibonacci series up to given number using:**

1. **recursive function b. without recursion**

**#include<stdio.h>//a**

**#include<conio.h>**

**void fibo(int);**

**int main()**

**{**

**int n;**

**printf("Enter the value of n:\t");**

**scanf("%d",&n);**

**if(n==1)**

**{**

**printf("0");**

**}**

**else**

**{**

**printf("0 1");**

**}**

**fibo(n);**

**getch();**

**return 0;**

**}**

**void fibo(int n)**

**{**

**static int a=1,b=1,f=1,i=2;**

**if(i<n)**

**{**

**printf(" %d",f);**

**f=a+b;**

**a=b;**

**b=f;**

**i=i+1;**

**fibo(n);**

**}**

**}**

**#include<stdio.h>//b**

**#include<conio.h>**

**void fibo(int);**

**int main()**

**{**

**int n;**

**printf("Enter the value of n:\t");**

**scanf("%d",&n);**

**if(n==1)**

**{**

**printf("0");**

**}**

**else**

**{**

**printf("0 1");**

**}**

**fibo(n);**

**getch();**

**return 0;**

**}**

**void fibo(int n)**

**{**

**int a=1,b=1,f=1,i=2;**

**while(i<n)**

**{**

**printf(" %d",f);**

**f=a+b;**

**a=b;**

**b=f;**

**i=i+1;**

**}**

**}**