6) Fibonacci series using recursion:

#include<stdio.h>

int fibonacci(int);

int main()

{

int n, i;

printf("Enter the number of element you want in series :\n");

scanf("%d",&n);

printf("fibonacci series is : \n");

for(i=0;i<n;i++)

{

printf("%d ",fibonacci(i));

}

return 0;

}

int fibonacci(int i)

{

if(i==0)

{

return 0;

}

else if(i==1)

{

return 1;

}

else

{

return (fibonacci(i-1)+fibonacci(i-2));

}

Output:

