```
/* Write a program to generate a set of Fibonacci numbers less than a given
number n using an Iterative algorithm.*/
#include<stdio.h>
#include<conio.h>
void main()
{
	int n,i,c,a=0,b=1;
	clrscr();
	printf("\n Enter a number=");
	scanf("\n %d",&n);
	printf("\n %d",a);
	printf("\n %d",b);
	for(i=3;i<=n;i++)
	{
		c=a+b;
		printf("\n %d",c);
		a=b;
		b=c;
	}
	getch();
}
```

/*Write a program to generate a set of Fibonacci numbers less than a given number n using a Recursive algorithm.*/

```
#include<stdio.h>
#include<conio.h>
int Fibonacci(int);
void main()
{
	int n,c,i=0;
	clrscr();
	printf("Enter a number=");
	scanf("%d",&n);
	printf("Fibonacci series is:- \n");
	for(c=1;c<=n;c++)
	{
		printf("%d\n",Fibonacci(i));
		i++;
	}
	getch();
}
int Fibonacci(int n)
{
	if(n==0)
		return 0;
	else if (n==1)
		return 1;
	else
		 return(Fibonacci(n-1)+Fibonacci(n-2));
}
```