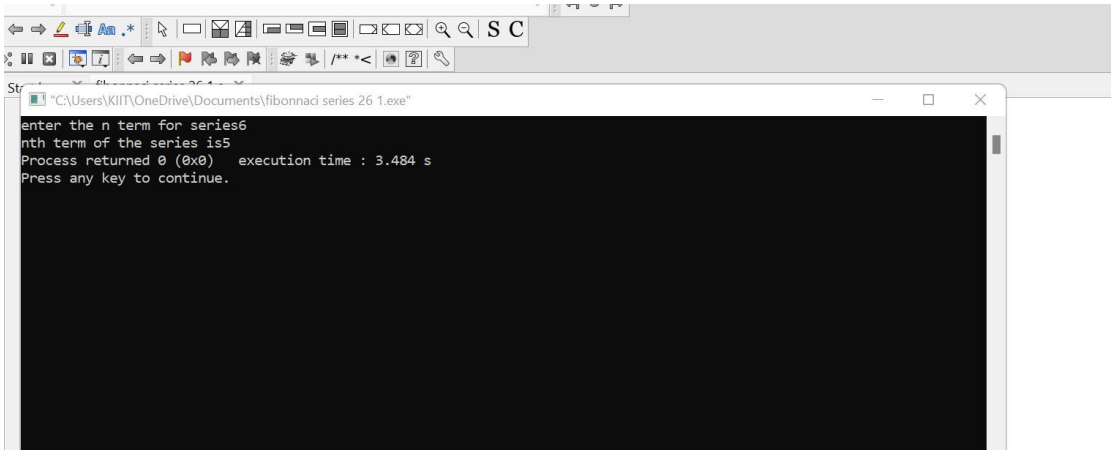
Write a program to find the Nth term of the Fibonnaci series.

```
#include<stdio.h>
int main()
{
   int n;
   int i=-1,j=1;int nxt_term=0;
   printf("enter the n term for series");
   scanf("%d",&n);
   for(int z=1;z<=n;z++)
   {
     nxt_term=i+j;
     i=j;
     j=nxt_term;

   }
   printf("nth term of the series is%d",nxt_term);
   return 0;

}
```

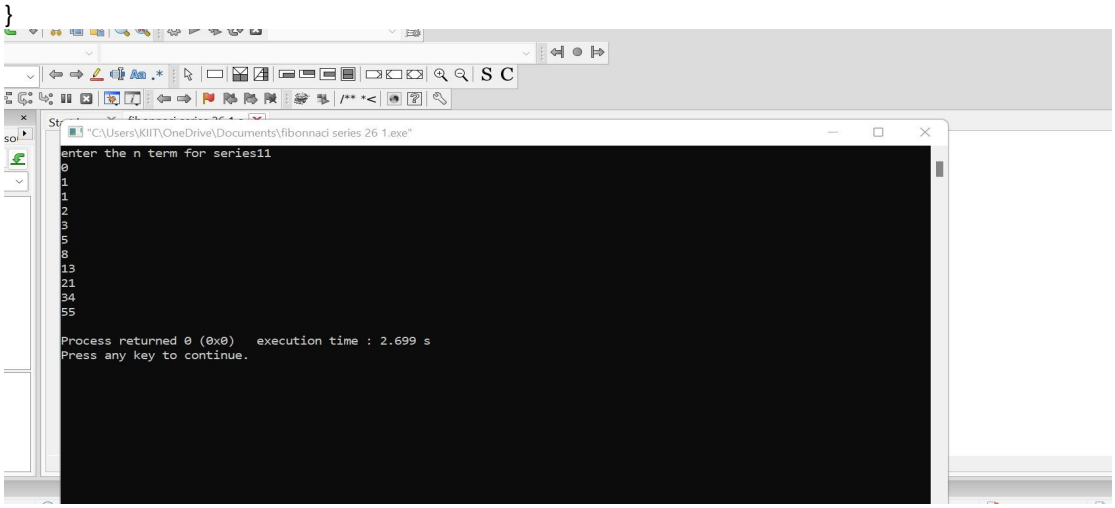


Write a program to print first N terms of Fibonacci series

```
#include<stdio.h>
int main()
{
   int n;
   int i=-1,j=1;int nxt_term=0;
   printf("enter the n term for series");
   scanf("%d",&n);
   for(int z=1;z<=n;z++)
   {
     nxt_term=i+j;
     i=j;
     j=nxt_term;
 printf("%d \n",nxt_term);
   }

   return 0;
```

}



Write a program to check whether a given number is there in the Fibonacci series or not.

Write a program to calculate HCF of two numbers

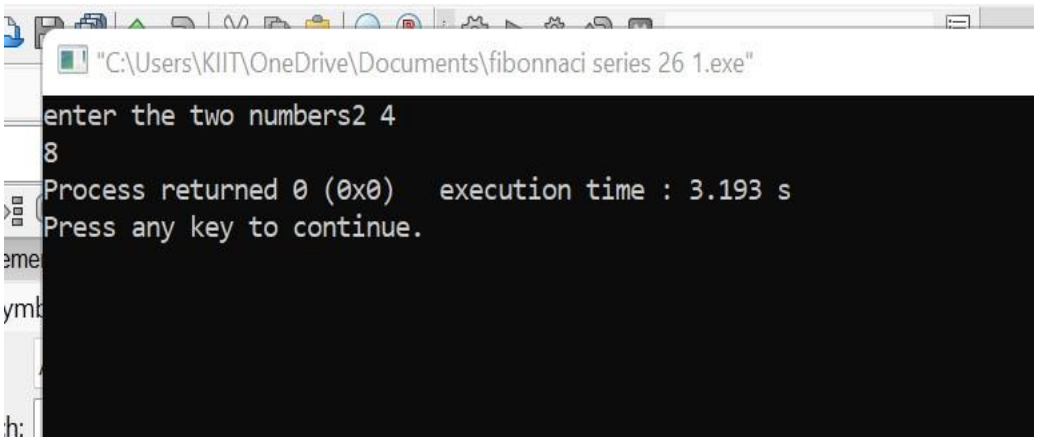
```
#include<stdio.h>
int lcm(int,int);
int main()
{
   int a,b,product;
printf("enter the two numbers");
scanf("%d %d",&a,&b);
product=a*b;
int lcm1=lcm(a,b);
int hcf=product/lcm1;
printf("%d",hcf);
return 0;

}
int lcm(int a,int b)
{

   int product=a*b;
   for(int i=1;i<=product;i++)
   {
     if(a%i==0 && b%i==0)
     {

        return i;
     }

   }
}
```



Write a program to check whether two given numbers are co-prime numbers or not

```
#include<stdio.h>
int lcm(int,int);
int main()
{
   int a,b,product;
printf("enter the two numbers");
scanf("%d %d",&a,&b);
product=a*b;
int lcm1=lcm(a,b);
int hcf=product/lcm1;
if(hcf==1)
printf("coprime number");
else
   printf(" not");
return 0;

}
int lcm(int a,int b)
{

   int product=a*b;
   for(int i=1;i<=product;i++)
   {
     if(a%i==0 && b%i==0)
     {

        return i;
     }

   }
}
```

Write a program to print all Prime numbers under 100