1
Fibonacci
series
```
#include<stdio.h>
#include<stdio.h>
int
main(){
int
main(){
int
n,a=0,b=1,c,i;
int
n,a=0,b=1,c,i;
scanf("%d",&n);
scanf("%d",&n);
for(i=1;i<=n;i++){
for(i=1;i<=n;i++){
printf("%d",c);
printf("%d
",a);
a=b;b=c;
c=a+b;
c=a+b;
a=b;b=c;
}
}
}
}
```
2
Smallest
Prime
Number
```
#include<stdio.h>
int
main(){
int
n,i,j,flag,count=0;
scanf("%d",&n);
for(i=n+1;count<5;i++){
flag=0;
for(j=2;j<=n/2;j++){
if(i%j==0){
flag=1;
```

```
break;
}
}
if(flag==0){
printf("%d
",i);
count++;

}
}
}
```

3

Prime
or
Composite
number

```
#include<stdio.h>
int
main(){
int
n,i;
scanf("%d",&n);
int
flag=0;
for(i=2;i<=n/2;i++){
if(n%i==0){
flag=1;
break;
}
}
if(flag==0){
printf("%d
is
a
prime
number",n);
}
else{
printf("%d
is
a
composite
number",n);
}
```

```
}
4
Series
Sum
Calculator
#include<stdio.h>
int
main(){
int
n,digits,i,result=0,sum=0;

scanf("%d
%d",&n,&digits);
for(i=0;i<digits;i++){
result=result*10+n;
sum+=result;
printf("%d",result);
if(i<n){
printf("
+
");
}
}
printf("\n%d",sum);
}
5
Divisor
Sum
and
Equality
Checker
#include<stdio.h>
int
main(){
int
n,i,sum=0;
scanf("%d",&n);
for(i=1;i<=n;i++){
if(n%i==0){
sum+=i;
printf("%d
",i);
}
}
```

```
printf("\n%d",sum);
if(sum==n){
printf("\n%d
is
an
equal
number",sum);
}
else{
printf("\n%d
is
not
an
equal
number",sum);
```