

Printing prime numbers

$$\text{prime}(n) = \begin{cases} 0 & \text{if } n \text{ is not prime} \\ 1 & \text{if } n \text{ is prime} \end{cases}$$

```
/*To print prime numbers between two numbers*/  
#include<stdio.h>  
#include<conio.h>  
int prime(int);  
//function declaration  
void main() {  
    int a, b;  
    printf("Enter two nos:");  
    scanf("%d %d", &a, &b);  
    for(int n=a; n<=b; n++) {  
        if(prime(n)) printf("%d ", n);  
    }  
    //function calling  
    getch();  
}
```

```
/*function to check a number for prime*/
```

```
int prime(int n)
```

```
{
```

```
    for(int i=2; i<n; i++)
```

```
    {
```

```
        if(n%i == 0) return 0;
```

```
    }
```

```
    return 1;
```

```
}
```

```
/*To print 20 prime numbers from a number*/  
#include<stdio.h>  
#include<conio.h>  
int prime(int);  
void main() {  
    int a, count;  
    count=0;  
    printf("Enter a no:");  
    scanf("%d", &a);  
    while(count<20) {  
        if(prime(a)) {printf("%d ", a); count++;}  
        a++;  
    } getch();  
}
```