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**Program 3: Prime numbers between two numbers**

```
#include <stdio.h>
#include <math.h>
int main()
{
    int i,j,m,n,c=0;
    printf("Enter 2 numbers, first one less than second one\n");
    scanf("%d%d",&m,&n);
    printf("The prime numbers between %d and %d:\n",m,n);
    for(i=m;i<=n;i++)
    {
        for(j=2;j<=sqrt(i);j++)
        {
            if(i%j==0)
            {
                c=1;
                break;
            }
        }
        if(c==0)
            printf("%d\n",i);
        c=0;
    }
}
```

OUTPUT:

```
Enter 2 numbers, first one less than second one
15
30
The prime numbers between 15 and 30:
17
19
23
29
```