

4. Prime numbers

```
#include <stdio.h>
int main()
{
    int i, num, n, count;
    printf("enter the range: ");
    scanf("%d", &n);
    printf("the prime numbers in between the range 1 to %d:",n);
    for(num = 1;num<=n;num++)
    {
        count = 0;
        for(i=2;i<=num/2;i++)
        {
            if(num%i==0)
            {
                count++;
                break;
            }
        }
        if(count==0 && num!= 1)
            printf("%d ",num);
    }
}
```