

7. Prime number or Not

```
#include<stdio.h>
int main()
{
    int n, i, flag = 0;
    printf("enter a positive integer; ");
    scanf(" %d", &n);
    if (n == 0 || n == 1)
        flag = 1;
    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 not a prime number.", n);
}
```