

```
#include<stdio.h>
int main(){

    int num,flag=1, j=2;
    printf("enter a number : ");
    scanf("%d", &num);

    if (num<=1)
        printf("%d is not a prime number \n",num);

    for(j=2;j<(num/2+1);j++){
        if(num%j==0)
            flag=0;
    }

    if(flag==0)
        printf("%d is not prime number \n",num);

    else
        printf("%d is prime number \n",num);

    return 0;
}
```