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```
#include <stdio.h>
3 main() {
      int n;
      scanf("%d",&n);
8
      if(n==0)
          printf("neither prime nor composite number ");
      else if(n==2||n==3||n==5||n==7)
          printf("prime");
      else if(n%2==0||n%3==0||n%5==0||n%7==0||n==1)
18
          printf("not prime ");
20
      else
          printf("prime");
```