```c
#include <stdio.h>
#include <stdlib.h>

int a,b;
int main(void)
{

 printf("Enter number: ");
 scanf("%d",&a);

 for (b = 2; b < a; b++)
 {
  if (a % b == 0)
   break;
 }

 if (b<a)
 {
  printf ("%d is divisible by %d\n", a, b);
 }

 else
 {
  printf ("%d is prime \n", a);
 }
return 0;
}
```

```
Enter number: 5
5 is prime

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Process exited after 3.244 seconds with return value 0
Press any key to continue . . .
```