

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

```
int main()
```

```
{
```

```
    int n, i;
```

```
    printf("please enter your number: ");
```

```
    scanf("%d", n);
```

```
    for (i = 2; i < n; i++)
```

```
    {
```

```
        if (n % i == 0)
```

```
        {
```

```
            printf("your number is prime");
```

```
        }
```

```
        else
```

```
        {
```

```
            printf("your number is not prime");
```

```
        }
```

```
    }
```

```
    return 0;
```

```
}
```