



```
num = 11
```

```
# To take input from the user
```

```
#num = int(input("Enter a number: "))
```

```
if num == 1:
```

```
    print(num, "is not a prime number")
```

```
elif num > 1:
```

```
    # check for factors
```

```
    for i in range(2,num):
```

```
        if (num % i) == 0:
```

```
            print(num,"is not a prime  
number")
```

```
            print(i,"times",num//i,"is",num)
```

```
            break
```

```
else:
```

```
    print(num,"is a prime number")
```

```
# if input number is less than  
# or equal to 1, it is not prime  
else:  
    print(num,"is not a prime number")
```

Output: 11 is a prime number

```
>>>
```