

```
var a: int = read().toInt()
```

```
func isPrime(n: int) -> bool {
```

```
    if n <= 1 {
```

```
        return false
```

```
    }
```

```
    if n == 2 {
```

```
        return true
```

```
    }
```

```
    if n % 2 == 0 {
```

```
        return false
```

```
    }
```

```
    for (var i: int = 0) (i <= sqrt(n)) (i++) {
```

```
        if n % i == 0 {
```

```
            return false
```

```
        }
```

```
    }
```

```
    return true
```

```
}
```

```
print(a, " is ", isPrime(a) ? "" : "not ", "prime")
```