## Prime Number Checker

Write a program to check if a number is **prime**. A prime number is a natural number greater than 1 that is not a product of two smaller natural numbers. For example, the only ways of writing 5 as a product, 1 × 5 or 5 × 1, involve 5 itself.

The **input** comes as an integer number.

The **output** should be **True** if the number is prime and **False** otherwise.

**Examples**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Input** | **Output** |  | **Input** | **Output** |  | **Input** | **Output** |
| 7 | True |  | 8 | False | 81 | False |