Advice when using Python

Defining a function to test whether a positive integer greater than 1 is prime in Python:

There is no function built-in Python function to test an integer for primality. For a positive integer \( n \) greater than 1, the below function returns \( \text{isprime}(n) \) as 1 if \( n \) is prime and returns \( \text{isprime}(n) \) as 0 if it is not. Note the use of \( \text{int}(n^{0.5}) \) to find the biggest integer less than the square root of \( n \). It’s a good exercise to get students to try to devise such a function for themselves; however, one such example is given below. This program only works for integers \( n>1 \) and more efficient programs are possible.

```python
def isprime(n):
    primetrue = 1
    for i in range(2, int(n**0.5)+1):
        if n%i==0:
            primetrue=0
    return primetrue
```