4. Prime Number Checker

Program Description: Create a program that determines whether a given number is prime or not. A prime number is only divisible by 1 and itself with no other factors.

```
Start → Input n → Is n <= 1 ──Yes──▶ Stop program
                       │
                       No
                       ▼
                Initialize i=2
                     check
                  divisibility
                       │
                       ▼
                 Is n divisible ──▶ increment i by
                     by i           1 continue
                       │            loop until root
                       │                of n
                       ▼                  │
                  Print Not               ▼
                    Prime            Loop ends ──No──▶ Print prime
                                          │              number
                                         Yes
                                          ▼
                                     Ask user ──▶ If no stop
                                     :check         program
                                     Another
                                          │
                                          ▼
                                    If yes repeat
                                    steps go back
                                     to input n
```