PSEUDOCODE

```
START
    INPUT n
    PRIME
    IF verify(n)
        flag=0
        FOR i:2 TO n/2
            IF n%i==0
                flag=1
            END IF
        END LOOP
    IF flag==0
        PRINT n is prime
    ELSE
        PRINT not prime
    END IF

    ELSE
        PRINT please enter a positive
integer
    PRINT input another number(1/0)
    IF 1
        PRIME
    END IF
END
```


START → prime_check → IF choice

Yes → prime_check
No → END

prime_check → INPUT num → IF verify(num)

No → RETURN Enter a positive number
Yes → flag=0,i=2

IF i<=n/2
Yes → IF n%i==0
    Yes → flag=1
    No → i=i+1
IF flag==0
    Yes → RETURN prime
    No → RETURN not prime

verify → IF num >0
No → FALSE
Yes → RETURN TRUE

choice → PRINT another check? → IF 1
Yes → RETURN Prime_check
No → RETURN 0