Assignment Of the Algorithm

START

FOR number ←1 To 100 Do

SET isPrime ←True

IF number=1 THEN

SET isPrime ←False

ELSE

FOR i←2 To number-1 DO

IF (number mod i=0) THEN

SET isPrime ←False

Break

ENDIF

ENDFOR

ENDIF

IF isPrime=True THEN

OUTPUT number

END

This will output each number that is not divisible by a smaller number to it with the exception of 1 meaning that it gives a remainder to at least one the number lower to it, which will give out all the prime numbers from 1 up to 100.