```
#lang racket
 2
 3
    (define (GCD x y)
 4
      (if (= x 0))
 5
           У
 6
           (if (= y 0))
 7
               Χ
 8
               (GCD y (modulo x y)))))
 9
    (GCD 41 4)
10
11
    (GCD 5740 70)
12
13
14
    (define (GCD-2 \times \vee)
      (cond ((= \times 0) y)
15
16
             ( (= y 0) x)
17
             (else (GCD-2 y (modulo x y)))))
18
19
    (GCD-2 5740 70)
20
21
    (define (greet str)
      (printf (string-append "hi " str)))
22
23
24
    (define (greet-let str)
25
      (let ((greeting (string-append "hi " str)))
26
         (printf greeting))
27
      )
28
29
    (greet-let "Carolyn")
30
31
    (define (GCD-3 n1 n2)
32
      (cond ((= n1 0) n2)
33
             ((= n2 0) n1)
34
             (else (let ((remainder (modulo n1 n2)))
35
                      (GCD-3 n2 remainder))))
36
   (GCD-3 48 6)
```