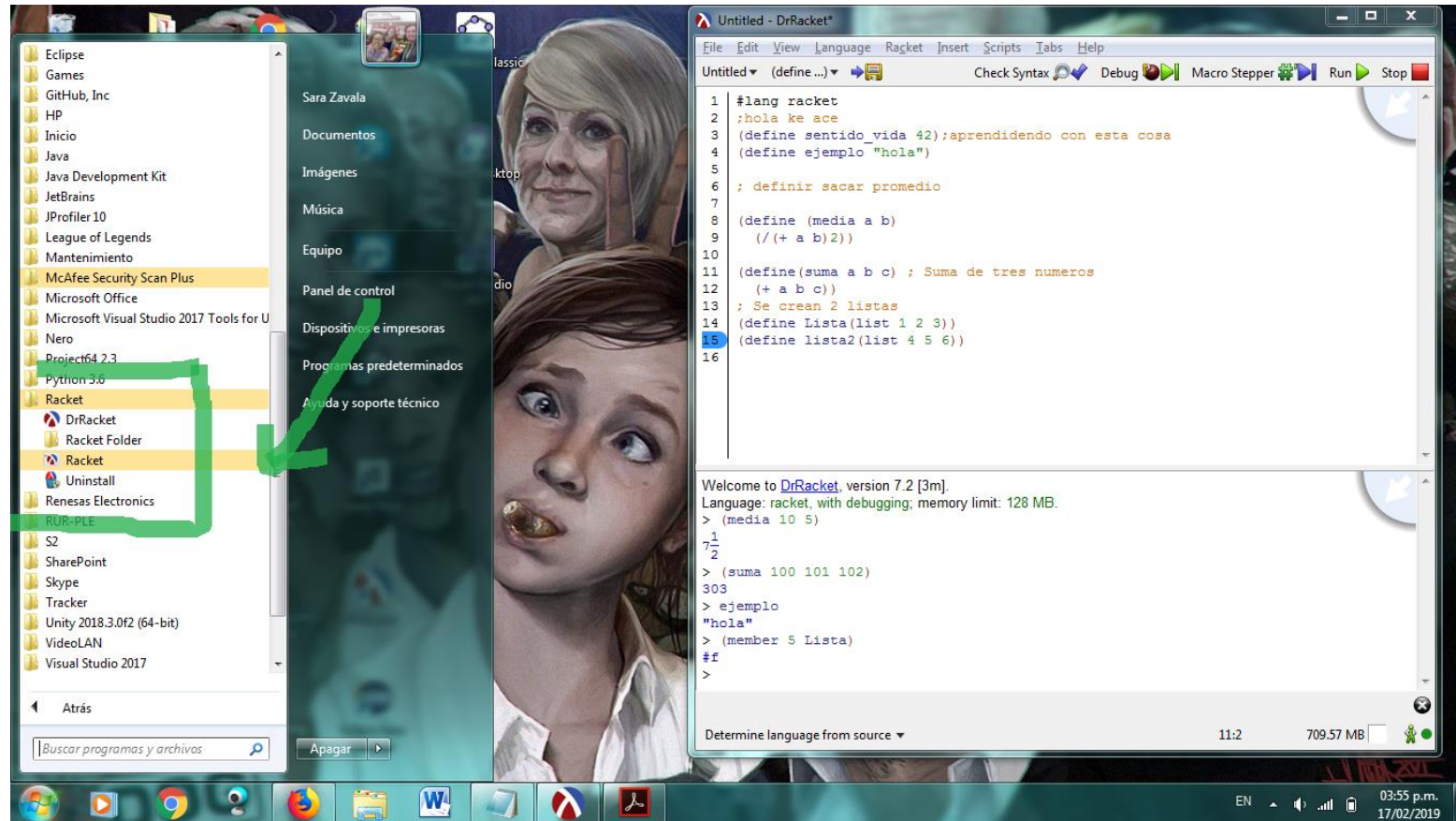
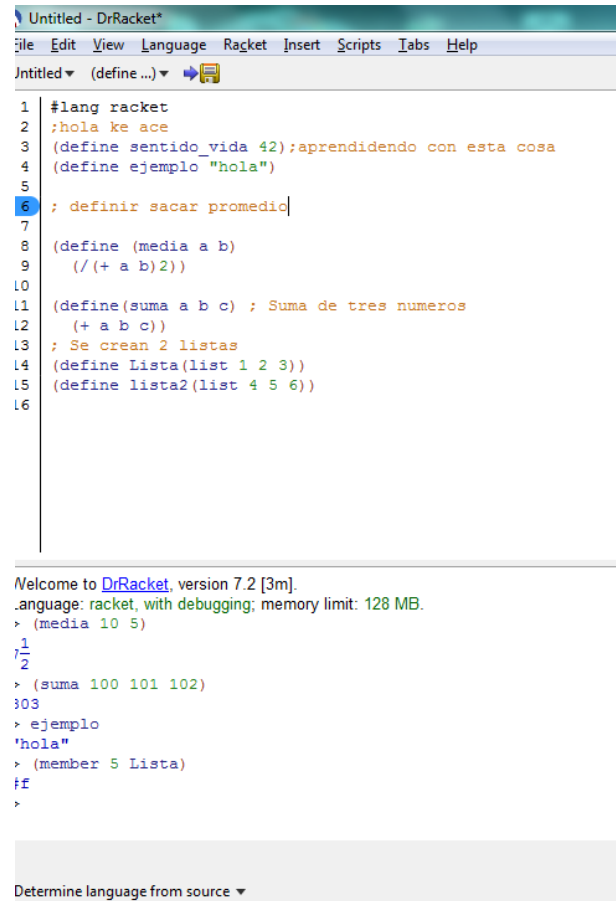


## Instalación de LISP en una computadora



## Pequeños programas utilizando Leguaje Racket

Imagen del código y que si funciona



The screenshot shows the DrRacket IDE with a menu bar (File, Edit, View, Language, Racket, Insert, Scripts, Tabs, Help) and a toolbar. The code editor contains the following Racket code:

```
1 #lang racket
2 ;hola ke ace
3 (define sentido_vida 42);aprendiendo con esta cosa
4 (define ejemplo "hola")
5
6 ; definir sacar promedio
7
8 (define (media a b)
9   (/ (+ a b) 2))
10
11 (define (suma a b c) ; Suma de tres numeros
12   (+ a b c))
13 ; Se crean 2 listas
14 (define Lista(list 1 2 3))
15 (define lista2(list 4 5 6))
16
```

The bottom panel shows the welcome message and the results of the following REPL commands:

```
Welcome to DrRacket, version 7.2 [3m].
Language: racket, with debugging; memory limit: 128 MB.
> (media 10 5)
1
2
> (suma 100 101 102)
303
> ejemplo
'hola'
> (member 5 Lista)
#f
>
```

At the bottom, there is a button labeled "Determine language from source".

Código

`#lang racket`

`;hola ke ace`

`(define sentido_vida 42);aprendiendo con esta cosa`

`(define ejemplo "hola")`

`; definir sacar promedio`

`(define (media a b)`

`(/ (+ a b) 2))`

`(define (suma a b c) ; Suma de tres numeros`

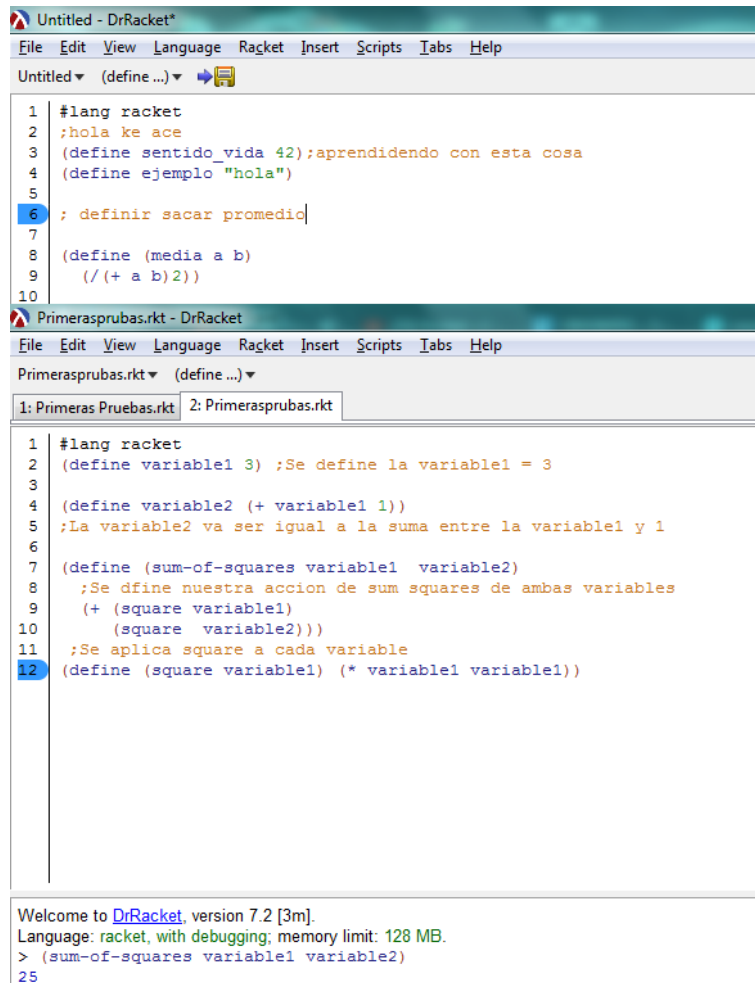
`(+ a b c))`

`; Se crean 2 listas`

`(define Lista(list 1 2 3))`

`(define lista2(list 4 5 6))`

Imagen del código y que si funciona



```
1 #lang racket
2 ;hola ke ace
3 (define sentido_vida 42);aprendiendo con esta cosa
4 (define ejemplo "hola")
5
6 ; definir sacar promedio
7
8 (define (media a b)
9   (/ (+ a b) 2))
10
```

```
1 #lang racket
2 (define variable1 3) ;Se define la variable1 = 3
3
4 (define variable2 (+ variable1 1))
5 ;La variable2 va ser igual a la suma entre la variable1 y 1
6
7 (define (sum-of-squares variable1 variable2)
8   ;Se define nuestra accion de sum squares de ambas variables
9   (+ (square variable1)
10      (square variable2)))
11 ;Se aplica square a cada variable
12 (define (square variable1) (* variable1 variable1))
```

Welcome to [DrRacket](#), version 7.2 [3m].  
Language: racket, with debugging; memory limit: 128 MB.  
> (sum-of-squares variable1 variable2)  
25

**#lang racket**

**(define variable1 3) ;Se define la variable1 = 3**

**(define variable2 (+ variable1 1))**

**;La variable2 va ser igual a la suma entre la variable1 y 1**

**(define (sum-of-squares variable1 variable2)**

**;Se define nuestra accion de sum squares de ambas variables**

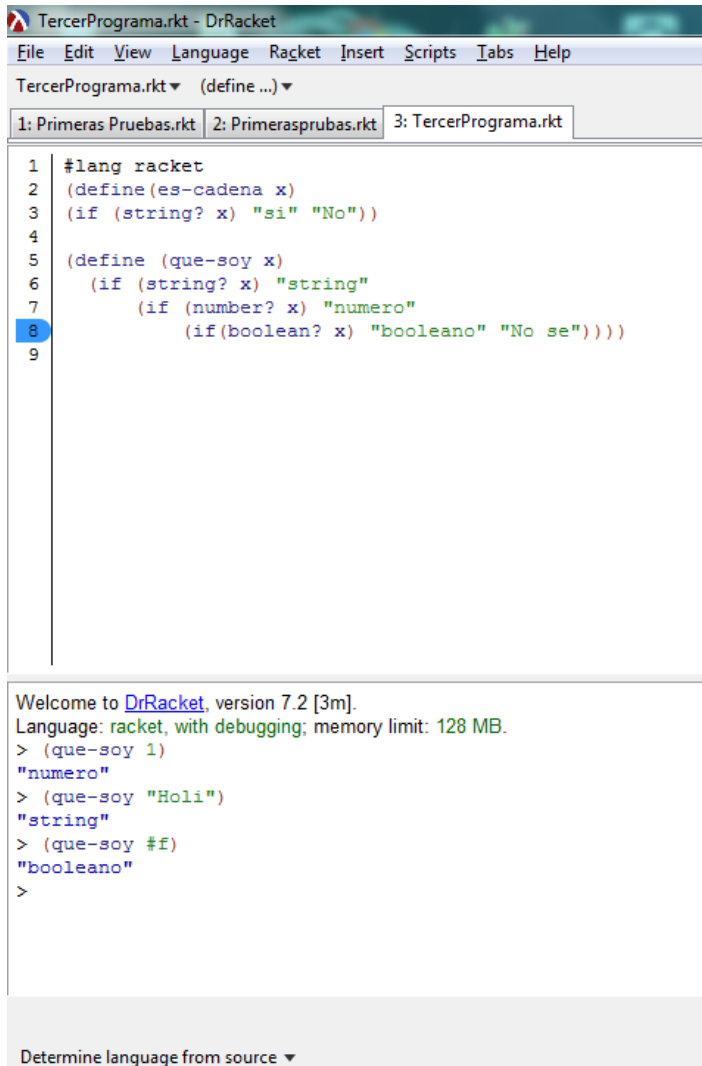
**(+ (square variable1)**

**(square variable2)))**

**;Se aplica square a cada variable**

**(define (square variable1) (\* variable1 variable1))**

Imagen del código y que si funciona



The screenshot shows the DrRacket IDE interface. The top menu bar includes File, Edit, View, Language, Racket, Insert, Scripts, Tabs, and Help. Below the menu is a toolbar with a dropdown menu showing 'TercerPrograma.rkt' and '(define ...)'. The main editor area displays the following Racket code:

```
1 #lang racket
2 (define (es-cadena x)
3   (if (string? x) "si" "No"))
4
5 (define (que-soy x)
6   (if (string? x) "string"
7       (if (number? x) "numero"
8           (if (boolean? x) "booleano" "No se"))))
9
```

The bottom console area shows the following output:

```
Welcome to DrRacket, version 7.2 [3m].
Language: racket, with debugging; memory limit: 128 MB.
> (que-soy 1)
"numero"
> (que-soy "Holi")
"string"
> (que-soy #f)
"booleano"
>
```

At the bottom of the console, there is a button labeled 'Determine language from source'.

**#lang racket**

**(define (es-cadena x)**

**(if (string? x) "si" "No"))**

**(define (que-soy x)**

**(if (string? x) "string"**

**(if (number? x) "numero"**

**(if (boolean? x) "booleano" "No se"))))**

## **Tutoriales Consultados**

Canal: makigas Publicado el 5 jun. 2014

Nombre de Video: Es una lista de videos pero el formato es:

Racket – 4. Listas: manipulación, iteración y recursión

Link:

<https://www.youtube.com/watch?v=H3ExAU7QKt4&t=483s>

Canal: makigas Publicado el 5 jun. 2014

Racket – 5. Todo sobre las condicionales

<https://www.youtube.com/watch?v=tfP8FFugfXM&t=2s>