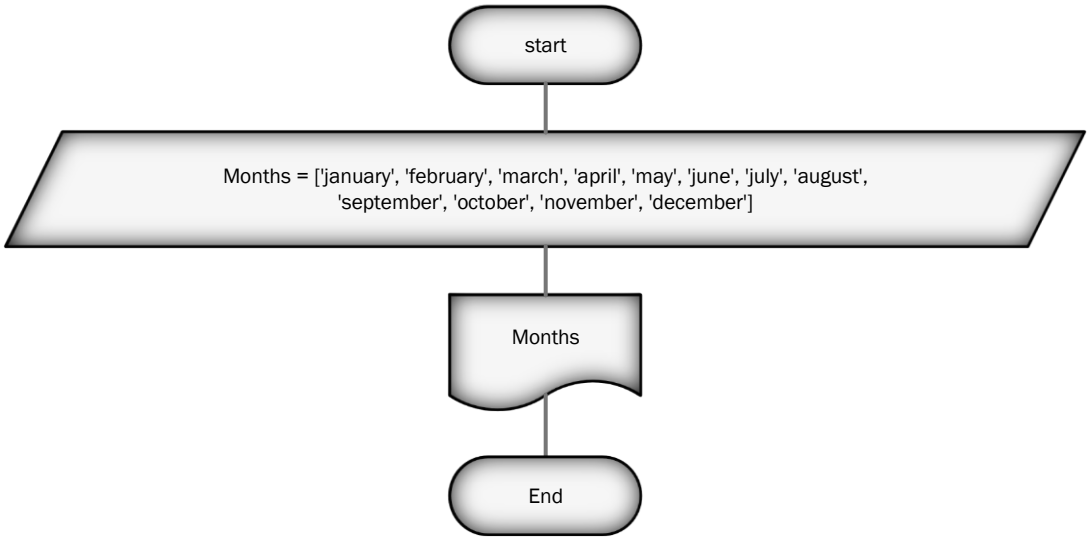
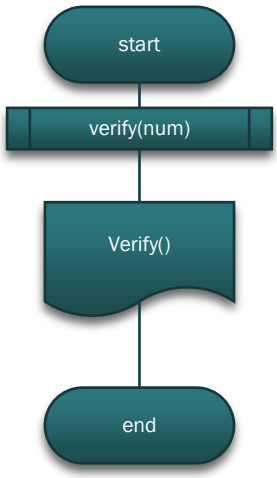
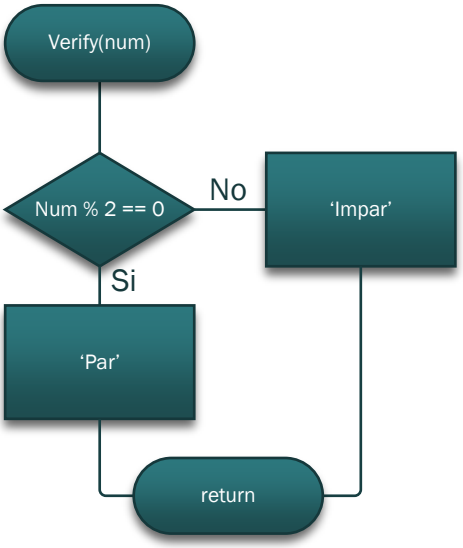
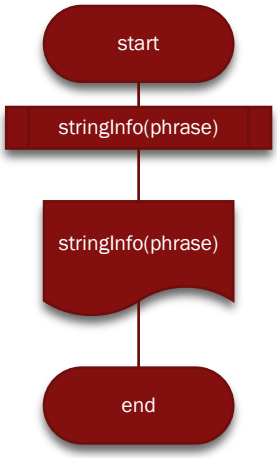


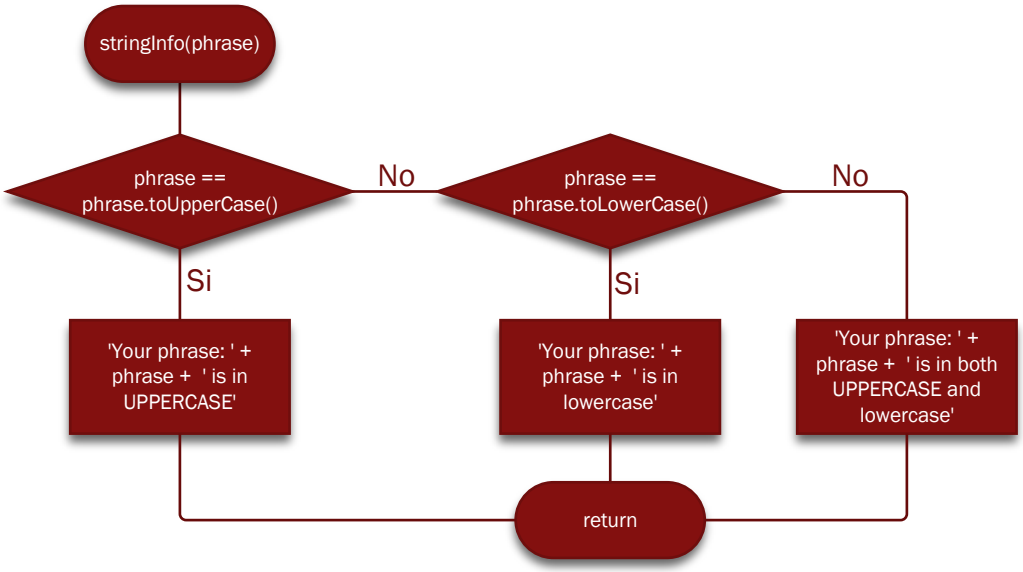

```
Algoritmo exercise1
        months<-['january', 'february', 'march', 'april', 'may', 'june', 'july', 'august', 'september', 'october',
                'november', 'december']
        Leer months
        Escribir months
FinAlgoritmo
```



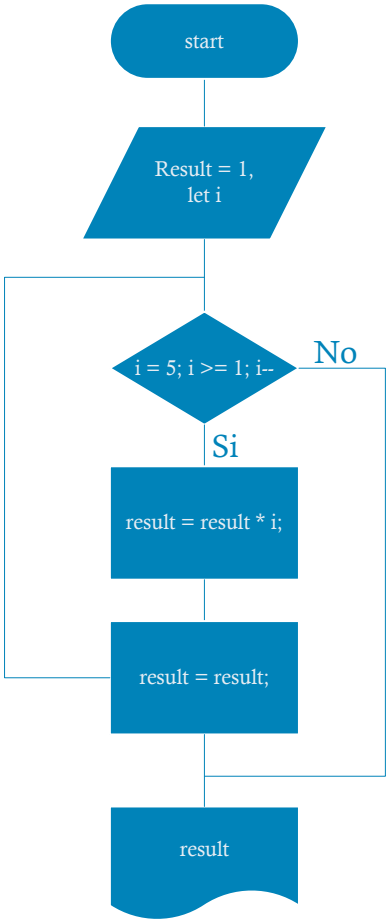



```
Funcion result <- verify ( num )
        Si num % 2 == 0 Entonces
                Escribir Par
        SiNo
                Escribir Impar
        Fin Si
Fin Funcion


Algoritmo exercise2
        Leer result()
FinAlgoritmo
```

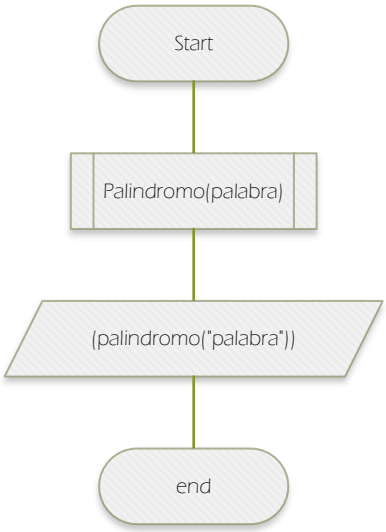


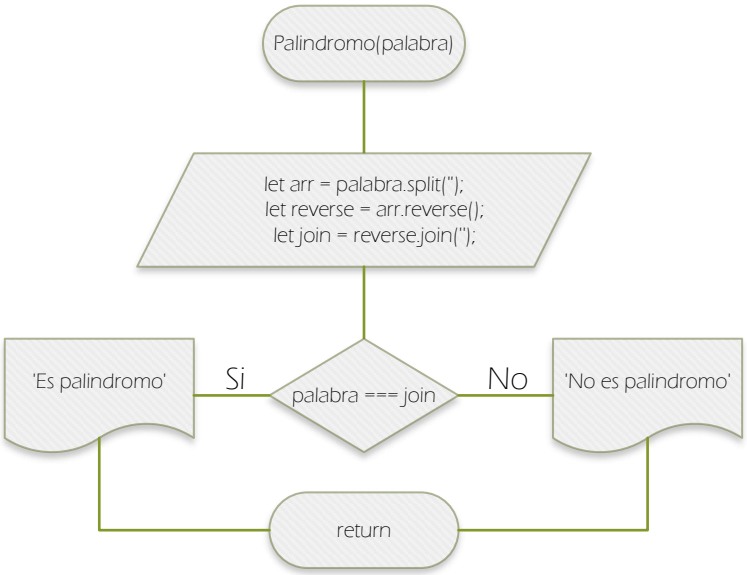



```
Funcion result <- stringInfo( phrase )
        Si phrase == phrase.toUpperCase Entonces
                Escribir 'Your phrase: ' + phrase +  ' is in UPPERCASE'
        SiNo
                Si phrase == phrase.toLowerCase Entonces
                        Escribir 'Your phrase: ' + phrase +  ' is in lowercase'
                SiNo
                        Escribir 'Your phrase: ' + phrase +  ' is in both UPPERCASE and lowercase'
                Fin Si
        Fin Si
Fin Funcion

Algoritmo exercise3
        Leer stringInfo("THIS IS A PHRASE")
FinAlgoritmo
```

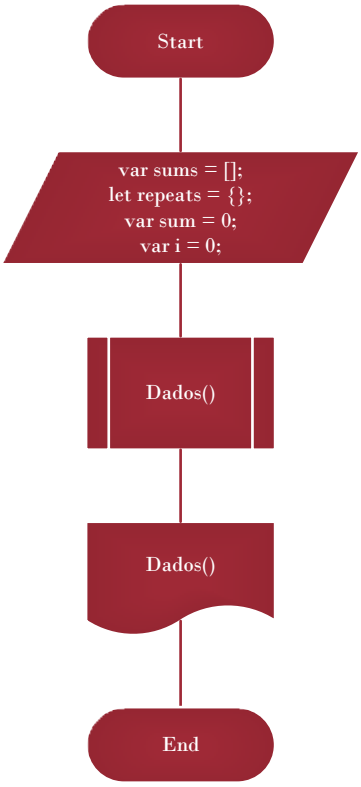


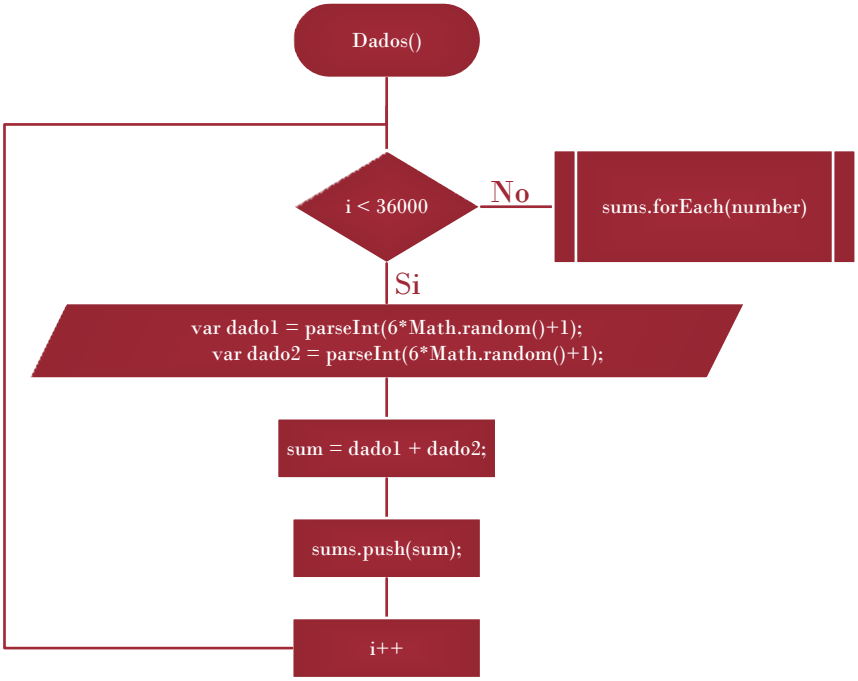

```
Algoritmo exercise4
        result<-1
        Para i<-5 Hasta 1 Con Paso i-1 Hacer
                result<-result * i
                result<-result
        Fin Para
        Escribir result
FinAlgoritmo
```

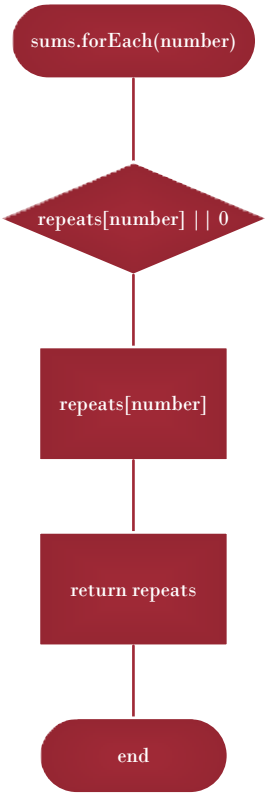





```
Funcion result <- palindromo ( palabra )
        arr<-palabra.split('')
        reverse<-arr.reverse()
        join<-reverse.join('')

        Si palabra === join Entonces
                Escribir Es palindromo
        SiNo
                Escribir No es palindromo
        Fin Si
Fin Funcion

Algoritmo exercise5
        Leer palindromo()
FinAlgoritmo
```








```
Funcion repeats <- sums ( number )
        repeats[number]<-
        Si (repeats[number] | 0) Entonces
                (repeats[number] | 0) + 1
        Fin Si

Fin Funcion

Funcion sums.forEach(number) <- dados ()
        Mientras i < 36000 Hacer
                dado1<-parseInt(6*Math.random()+1)
                dado2<-parseInt(6*Math.random()+1)
                sum<-dado1 + dado2
                Leer sums.push(sum)
                Leer i++
        Fin Mientras

Fin Funcion

Algoritmo exercise6
        Leer dados()
FinAlgoritmo
```