

```
1 =begin
2 Ejercicio 6. Escribir un script en ruby donde el usuario pasará un conjunto de
  valores por
3 consola y automáticamente devolverá todos los valores sin ordenar por consola y
4 posteriormente ordenados. Su sintaxis será:
5 ./ordenar.rb 13 5 6 7 0 -6
6 El script deberá contemplar todos los casos de error existentes, como podría ser el
  paso de algún
7 parámetro de tipo no numérico. ¿qué sucedería si le pasamos al script más de 10
  parámetros?
8 Implementar las oportunas modificaciones para que lo soporte.
9 =end
10
11 =begin
12 Usage: Check if the object passed is a number
13 Name of method: is_number?
14 Date of creation: 15/04/2021
15 Members: Roberto Jiménez y Alberto Pérez
16 Last modification: 15/04/2021
17   - Now you can check all type of objects, not only Strings.
18 Parameters:
19   Entry:
20     - object: object to check
21   Out:
22     - boolean: return true if the object is a number
23 =end
24 def is_number? object
25   true if Float(object) rescue false
26 end
27
28
29 =begin
30 Usage: Deletes from argv all elements that aren't numbers
31 Name of method: listFiles
32 Date of creation: 15/04/2021
33 Members: Roberto Jiménez y Alberto Pérez
34 Last modification: 15/04/2021
35 Parameters:
36   Entry:
37     - argv: list of elements to check
38   Out:
39     - aux: argv, only formed by numbers
40 =end
41 def cleanArgv argv
42   aux = []
43   argv.each do |element|
44     if is_number? element
45       aux.push(element)
46     else
47       puts "Error, #{element} is not a number"
48     end
49   end
50   return aux
51 end
52
53
54 =begin
55 Usage: Generates a string from an array
56 Name of method: generateStringFromArray
57 Date of creation: 15/04/2021
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```
58 Members: Roberto Jiménez y Alberto Pérez
59 Last modification: 15/04/2021
60 Parameters:
61   Entry:
62     - array: array of elements
63   Out:
64     - string: string got from the array
65 =end
66 def generateStringFromArray array
67   puts ""
68   string = ""
69   array.each do |n|
70     string += "#{n} "
71   end
72   return string
73 end
74
75
76 =begin
77 Usage: Body of the program
78 Date of creation: 15/04/2021
79 Members: Roberto Jiménez y Alberto Pérez
80 Last modification: 15/04/2021
81 Parameters:
82   Entry:
83     - Argv: Parameter introduced by console when program is called
84   Out:
85     - None
86 =end
87
88 if ARGV.length > 0
89   argvCleaned = cleanArgv(ARGV)
90
91   numbers = generateStringFromArray argvCleaned
92   sortedNumbers = generateStringFromArray argvCleaned.sort
93
94   puts "The numbers without sorting are: #{numbers}"
95   puts "The sorted numbers are: #{sortedNumbers}"
96 else
97   puts "Error, you have to pass parameters"
98 end
99
```