

Learning from errors



Fast Delivery

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Николай Михайлов

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Константин Костов

Станислав Илиев № 26 / Stanislav Iliev № 26

Error: Deletes everything in “result.csv” by rewriting it.

Uses 4 arrays for doing nothing.

Quick Solution: No quick solution.

Score: 1/5

Илиан Германов № 17 / Iliyan Germanov № 17

Error: Wrong Expected Result.

Quick Solution: No need of any solution.

Score: 5/5

Стефан Илиев № 28 / Stefan Iliev № 28

Error: Line 56: Output file name is “results.csv” instead “result.csv”

Quick Solution: Changing “results.csv” to “result.csv”.

Score: 5/5

Николай Михайлов № 25 / Nikolay Mihailov № 25

Error: The program is not completed.

Line 26: “each_char” is working on Ruby versions $\geq 1.8.6$

Quick Solution: No quick solution.

Score: 3/5

Борислав Стратев № 2 / Borislav Stratev № 2

Error: Output file name is “results.csv” instead “result.csv”

The program doesn't match the condition.

The program compares the full file names instead only FirstName LastName

Quick Solution: No quick solution.

Score: 2/5

Error: The program doesn't match the condition.

Quick Solution:

Replace:

```
Dir.glob(ARGV[0]+"/**/*.rb")

=====

CSV.open("result.csv", "w") do |csv|

  student.each do |fn, ln|

    student1.each do |fn1, ln1|

      if fn != fn1

        if ln != ln1

          csv << ["#{fn1}", "#{ln1}"]

        end

      end

    end

  end

end

end
```

With:

```
Dir.glob(ARGV[0]+"/**/*.rb")

=====

student_diff = student1 - student

CSV.open("result.csv", "w") do |csv|

  student_diff.each do |fn, ln|

    csv << ["#{fn}", "#{ln}"]

  end

end

end
```

Score: 3/5

Давид Георгиев № 12 / David Georgiev № 12

Error: Line 17: The program returns 'nil'.

The program works only with files that are in the format
FirstName_LastName_Digit.rb .

Quick Solution:

Insert: Line 20

```
next if (name[1] == nil)
```

Score: 5/5

Валентин Варбанов № 4 / Valentin Varbanov № 4

Error: Output file name is "results.csv" instead "result.csv"

```
Dir.glob(directory).each do |dir|  
  student = dir.split(/\//)  
  if i == 0  
    students_first_dir.push(student)  
  else  
    students_second_dir.push(student)  
  end  
end
```

Quick Solution: No quick solution.

Score: 1/5

Владимир Йорданов № 9 / Vladimir Yordanov № 9

Error: The program returns 'nil'.

Output file name is "results.csv" instead "result.csv".

Quick Solution:

Insert: Line 26

```
next if (second_name == nil)
```

Score: 5/5

Веселина Колова № 9 / Veselina Kolova № 9

Error: -

Quick Solution:

Replace:

```
Dir.glob("#{ARGV[0]}/**/*.*").each do |text_file|

  if File.extname(text_file) text_file.include?(".rb") && text_file.split(/_/).last.split(/\.\/).first.to_i.is_a Integer then

    if (text_file.split("/").last.split("_").length == 3) then

      text_file = text_file.split("/").last

      if (text_file.split("_")[1].length == 5) then

        people[text_file.split("_")[1]] = text_file.split("_")[0]

      end

    end

  end

end

end
```

With:

```
Dir.glob(ARGV[0] + "/*.*rb").each do |text_file|

  text_file = text_file.split("/").last.split(/_/)
  next if(text_file[1] == nil )
  if (text_file[1].length == 5) then
    people[text_file[0]] = text_file[1]
  end

end
```

Score: 1/5 // The source is hardly understandable.

Денис Тренчев № 4 / Denis Trenchev № 4

Error: Output file name is “students.csv” instead “result.csv”.

A lot of other errors.

Quick Solution: No quick solution.

Score: 2/5

Мариан Белчев № 17 / Marian Belchev № 17

Error: Output file name is “results.csv” instead “result.csv”.

Quick Solution: No quick solution.

Score: 1/5 // The source is hardly understandable.

Ивелин Славчев № 10 / Ivelin Slavchev № 10

Error: Line 33: Uses “digit” instead “digit2”

Quick Solution: No quick solution.

Score: 3/5

Станислав Вълканов № 25 / Stanislav Valkanov № 25

Error: The program works only with files that are in the format FirstName_LastName_Digit.rb

Line 29: Bad sorting.

Quick Solution:

Insert: Line 22: *next if (last == nil)*

Replace:

Hash[a.sort.reverse].each do |element|

With:

a.sort_by{|key,val| key}.reverse.each do |element|

Score: 3/5

Петко Божинов № 21 / Petko Bozhinov № 21

Error: Wrong numeric check method.

Quick Solution:

Replace:

```
class String
  def numeric?
    Float(self) != nil rescue false
  end
end
=====
if file[2].numeric?
```

With:

```
def numeric?(simbol)
  true if Integer(simbol) rescue false
end
=====
if numeric?(file[2])
```

Score: 3/5

Никола Маринов № 20 / Nikola Marinov № 20

Errors:

Line 15: “**require** 'csv'”

Line 26: name = file.split("/").last.split(".").**first_split**("_")

Line 29-31: array(**count**)

Line 31: array(count)[1]= full_name.to_s.**lenght**

Quick Solution: Not found.

Score: 1/5

Радослав Костадинов № 22 / Radoslav Kostadinov № 22

Error: Wrong name comparing.

Quick Solution: No quick solution.

Score: 3/5

Симеон Шопкин № 23 / Simeon Shopkin № 23

Error: Tries to split twice :

Line 23: *first_files = first_files.split("/").last.split(".").first.split("_")*

Line 26: print_count = first_files.split("/").last.split(".").first

Quick Solution: No quick solution.

Score: 2/5

Иво Вълчев № 11 / Ivo Valchev № 11

Error:

Line 23: *if name[0] and name[1] and name[0].length == 5 and !isNum!=nil
hash_fold1.include?(name[0])*

Quick Solution:

Replace :

if name[0] and name[1] and name[0].length == 5 and !isNum!=nil hash_fold1.include?(name[0])

=====

if name[0] and name[1] and name[0].length == 5 and !isNum!=nil and!hash_fold2.include?(name[0])

With:

if name[0].length == 5

Score: 2/5

Кристина Пиронкова № 15 / Kristina Pironkova № 15

Error: Output file name is “results.csv” instead “result.csv”.

Quick Solution: “results.csv” to “result.csv”.

Score: 5/5

Димитър Несторов № 7 / Dimitar Nestorov № 7

Error:

Line 42: *array = array.sort_by {|el| -el[1]}*

Quick Solution: No quick solution.

Score: 1/5

Любомир Янков № 16 / Lubomir Yankov № 16

Error: Output file name is “results.csv” instead “result.csv”.

Exports empty csv file.

Line 31:

array = array.sort_by {|el| el[0]}

P.S. The same line/error exists in Dimitar Nestorov's program

Quick Solution: No quick solution.

Score: 3/5

Тихомир Лидански № 27 / Tihomir Lidanski № 27

Error: The program is incomplete.

Quick Solution: No quick solution.

Score: 1/5

Error: Works only for few formats.

Bad sorting.

Quick Solution:

Replace

```
Dir.glob("#{ ARGV[0] }/*") do |name|
  name = name.split("/").last
  short_name = name.split('_')[1]
  if short_name.length == 5
    hash[name] = short_name
  end
end

CSV.open("result.csv", "w") do |csv|
  hash = hash.sort_by { |key, value| value }.reverse
  hash.each |key| do
    csv << key
  end
end
```

With:

```
Dir.glob("#{ ARGV[0] }/*") do |name|
  name = name.split("/").last.split(/_/)
  short_name = name[1]
  next if(short_name == nil )
  if short_name.length == 5
    hash[name[0]] = short_name
  end
end

CSV.open("result.csv", "w") do |csv|
  hash.sort_by{|key,val| key}.reverse.each do |key|
    csv << key
  end
end
```

Score: 4/5

Error: Output file name is “results.csv” instead “result.csv”.

Quick Solution:

Score: 3/5

Error: Output file name is “results.csv” instead “result.csv”.

Quick Solution: “results.csv” to “result.csv”.

Score: 5/5

Момчил Ангелов № 18 / Momchil Angelov № 18

Error: If (condition) ==

Indentation.

Quick Solution: No quick solution.

Score: 1/5

Димитър Терзиев № 6 / Dimitar Terziev № 6

Error:

Quick Solution:

Replace:

```
if(file_str=~\A[a-zA-Z]+\_[a-zA-Z]+\_ \d+\.rb\z/ && file_str.split('_')[1].size == 5)
```

With:

```
if(file_str=~\A[a-zA-Z0-9]+\_[a-zA-Z0-9]+\_ \d+\.rb\z/ && file_str.split('_')[1].size == 5)
```

Score: 4/5