

# Технологично училище „Електронни системи“ към Технически университет – София

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**Предмет:** Технология на програмирането

**Час №:** 9, Learning from errors

**Дата:** 28.10.2014г.

**Задача:** Да се напише доклад на тема:

“What are the errors and how could these errors be avoided in the first place?”

**Изготвили:** Ваня Сантева, Йосиф Салех и Калоян Ников

**Име на отбора:** Yu-Code-Oh!

# Answering main questions

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## How many errors are there?

30

## How many correct results are there?

4

## Are there common errors?

Copy-pasted code

Wrongly used code, taken from the internet

Wrong name of csv file

There is output

Doesn't use tabs

Doesn't check if filename can be split into 3

Doesn't check if filename's 'digits' is a number

Checks if filename's 'First' and 'Last' have numbers in them

## Are there categories of errors?

Wrong name of csv file

Wrong checks of filename

Badly written code

## How could errors like this be avoided in the first place?

Read the tasks carefully

Learn the basic checks for filename

Revise arrays/hashtables before sending program

Learn how to write more readable and short code

# Work of class 'A'

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## Borislav Rusinov

=begin

Develop a program named FirstName\_LastName\_ClassNumber\_6fb3ad.rb

1. you are given an argument for a folder with files;
- 1.1 if there are other arguments they should be discarded
2. file names in this folder are in the form First\_Last\_digits.rb;
3. find all the students that have 10 letters in their first name;
4. Sort the result by Last Name DESC.
5. Produce a result in CSV format named result.csv:

FirstName1,LastName1

FirstName2,LastName2

...

FirstNameN,LastNameN

=end

a=ARGV[0]

require 'csv'

array=[]

Dir.glob("#{a}\*.rb") do |my\_text\_file|

    name = my\_text\_file.split("/").last.split(".").first.split("\_")

    if name[1]!=nil && name[0].length==10

        array << name[0] + "," + name[1]

    end

end

array.sort!

array.reverse!

File.open("results.csv", "w") do |csv|

    array.each do |arg|

        csv.puts(arg)

    end

end

**Bugs:** bad csv saving

**To fix:** should be result.csv

**Rating:** 3/5

# Denis Trenchev

=begin

Develop a program named FirstName\_LastName\_ClassNumber\_b4c3f5.rb

1. you are given two arguments for a folders with files;
  - 1.1 if there are other arguments they should be discarded;
2. file names in this folders are in the form First\_Last\_digits.rb;
3. find the students with 5 letters in the first name that are in both folders. A student is in both folders if it there is a file with the same First and Last Name. Digits might be different;
4. Sort the result by Last name ;
5. Produce a result in CSV format named result.csv:

```
LastName1,FirstName1
LastName2,FirstName2
...
LastNameN,FirstNameN
```

=end

require 'csv'

i = 0

arr1 = []

arr2 = []

arr3 = []

Dir.glob(ARGV[0]+"\*.rb") do |first\_folder|

name = first\_folder.split('/').last.split('.').first.split('\_')

if name.length == 3

if name[1].to\_s.length == 5

arr1[i] = []

arr[i][0] = name[0]

arr[i][1] = name[1]

i+=1

end

end

end

i = 0

Dir.glob(ARGV[1]+"\*.rb") do |second\_folder|

name = second\_folder.split('/').last.split('.').first.split('\_')

if name.length == 3

if name[1].to\_s.length == 5

arr1[i] = []

arr[i][0] = name\_1[0]

arr[i][1] = name\_1[1]

i+=1

end

end

end

```
i = 0
```

```
arr1.each do |compare1|
  arr2.each do |compare2|
    if compare2 == compare1
      arr3[i] = compare1
      i+=1
    end
  end
end
```

```
sort = arr3.sort_by{|asd| asd[1]}
CSV.open("students.csv", "w") do |csv|
  sort.each do |element|
    csv << element
  end
end
```

**Bugs:** Doesn't work, No quick solution

**To fix:** Think of a better logical system

**Rating:** 0/5

## Dimitar Nestorov

#Develop a program named FirstName\_LastName\_ClassNumber\_0d5526.rb

#1. you are given an argument for a folder with files;

#1.1 if there are other arguments they should be discarded

#2. file names in this folder are in the form First\_Last\_digits.rb;

#3. find all the students that have 10 letters in their first name;

#4. Sort the result by Last Name DESC.

#5. Produce a result in CSV format named result.csv:

```
#
#      FirstName1,LastName1
#      FirstName2,LastName2
#      ...
#      FirstNameN,LastNameN
require 'csv'
def is_numeric(o)
  true if Integer(o) rescue false
end
array = []
count = 0
Dir.glob(ARGV[0] + "*.rb") do |file|
  name = file.split("/").last.split(".").first.split("_")

  name[0] = name[0].to_s
  name[0] = name[0].capitalize

  name[1] = name[1].to_s
  name[1] = name[1].capitalize

  if name.size == 3 && is_numeric(name[2])
    if name[1].length == 10

      array[count] = []
      array[count][0] = name[0].to_s
      array[count][1] = " #{name[1].to_s}"
      count += 1
    end
  end
end
array = array.sort_by {|el| -el[1]}
CSV.open("result.csv", "w") do |csv|

  array.uniq.each do |e|

    csv << e

  end
end
```

**Bugs:** bad sorting, uses capitalize

**To fix:** there shouldn't be a `-' between |el| and el[1]

**Rating:** 2/5

# Dimitar Terziev

=begin

Develop a program named FirstName\_LastName\_ClassNumber\_88db52.rb

1. you are given an argument for a folder with files;
- 1.1 if there are other arguments they should be discarded
2. file names in this folder are in the form First\_Last\_digits.rb;
3. find all the students that have 5 letters in their second name;
4. Sort the result by Last Name ASC.
5. Produce a result in CSV format named result.csv:

```
FirstName1,LastName1
FirstName2,LastName2
...
FirstNameN,LastNameN
```

=end

require 'csv'

arr = []

Dir.glob("#{ARGV[0]}\*.rb\*"){ |file|

file\_str = file.split('/').last

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

arr.push("#{file\_str.split('\_')[1]} #{file\_str.split('\_').first}")

end

}

CSV.open('result.csv','w'){ |csv|

arr.uniq.sort.each{ |el|

csv << "#{el.split(' ').last} #{el.split(' ').first}".split(' ')

}

}

**Bugs:** Doesn't work, No quick solution

**To fix:** use hashes and more understandable filter

**Rating:** 2/5

# Georgi Ivanov

=begin

1. you are given an argument for a folder with files;
  - 1.1 if there are other arguments they should be discarded
2. file names in this folder are in the form First\_Last\_digits.rb;
3. find all the students that have 5 letters in their second name;
4. Sort the result by First name DESC.
5. Produce a result in CSV format named result.csv:

```
FirstName1,LastName1
FirstName2,LastName2
...
FirstNameN,LastNameN
```

=end

require "csv"

arr = []

i = 0

```
Dir.glob(ARGV[0]+"*.rb") do |file|
  name = file.split('/').last.split('.').first.split('_')
  firstname = name[0]
  lastname = name[1]
  exercise = name[2]

  if firstname == '' || lastname == '' || exercise == ''
    elsif name.length == 3

      if lastname.length == 5
        arr[i] = []
        arr[i][0] = name[0]
        arr[i][1] = name[1]
        i+=1
      end
    end
end
```

```
daiba = arr.sort_by{|asd| asd[0]}.reverse!
CSV.open("result.csv", "w") do |csv|
  daiba.each do |element|
    csv << element
  end
end
```

**Bugs:** arr=[] doesn't a 2 dimensional array

**To fix:** use hashes

**Rating:** 1/5



# Hristo Dachev

```
=begin
Develop a program named FirstName_LastName_ClassNumber_4a196f.rb
1. you are given two arguments for a folders with files;
1.1 if there are other arguments they should be discarded;
2. Find all the files from both folders that are not in the format FirsrName_LastName_digits.rb. If
there are duplicates the file must be written only once. If two files are of the same lenght those
files should be sorted in ASC order;
3. Calculate the length of their names (including extensions).;
4. Sort the result by lenth ;
5. Produce a result in CSV format named result.csv:
```

```

                File1,3
                File2,4
                ...
                FileN,3

=end

require 'csv'

hash = Hash.new

Dir.glob("#{ARGV[0]}*").each do |path|
  first_name = path.split("/").last.split("_").first
  last_name = path.split("/").last.split("_", 2).last.split("_").first
  digit = path.split("/").last.split("_",
2).last.split("_").last.split(".").first
  name = path.split("/").last

  if name.include? "_" then counter = name.count "_" end

  if (counter != 2) || (digit.to_i.to_s != digit)
    l = name.length
    hash[name] = 1
  end
end

Dir.glob("#{ARGV[1]}*").each do |path|
  first_name = path.split("/").last.split("_").first
  last_name = path.split("/").last.split("_", 2).last.split("_").first
  digit = path.split("/").last.split("_",
2).last.split("_").last.split(".").first

  name = path.split("/").last
  if name.include? "_" then counter = name.count "_" end

  if (counter != 2) || (digit.to_i.to_s != digit)
    l = name.length
    hash[name] = 1
  end
end

end
CSV.open("result.csv", "w") do |csv|
  hash.sort_by{ |k, v| v}.each do |name, length|
    csv << ["#{name}", "#{length}"]
  end
end

end
```

**Bugs:** Doesn't work, No quick solution

**To fix:** Program should be redone with better logical system

**Rating:** 0/5

# Ivelin Slavchev

=begin

Develop a program named FirstName\_LastName\_ClassNumber\_835552.rb

1. you are given two arguments for a folders with files;
- 1.1 if there are other arguments they should be discarded;
2. Find all the files from both folders that are not in the format FirsrName\_LastName\_digits.rb. If there are duplicates the file must be written only once. If two files are of the same lenth those files should be sorted in ASC order;
3. Calculate the length of their names (including extensions).;
4. Sort the result by lenth ;
5. Produce a result in CSV format named result.csv:

```
File1,3
File2,4
...
FileN,3
```

=end

```
require 'csv'
```

```
result = Hash.new
```

```
Dir.glob(ARGV[0] + "*").each do |file1|
```

```
  short1 = file1.split("/").last
```

```
  ext1 = short1.split(".").last
```

```
  names1 = short1.split(".").first
```

```
  digit1 = file1.split("_").last
```

```
  if (ext1 != "rb") or (digit1.to_i.to_s != digit1) or (short1.scan("_").count != 2)
```

```
    result[short1] = short1.length
```

```
  end
```

```
end
```

```
Dir.glob(ARGV[1] + "*").each do |file2|
```

```
  short2 = file2.split("/").last
```

```
  ext2 = short2.split(".").last
```

```
  names2 = short2.split(".").first
```

```
  digit2 = file2.split("_").last
```

```
  if (ext2 != "rb") or (digit2.to_i.to_s != digit2) or (short2.scan("_").count != 2)
```

```
    result[short2] = short2.length
```

```
  end
```

```
end
```

```
result.sort_by{|k, v| v}
```

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

```
  result.each do |p|
```

```
    csv << p
```

```
  end
```

```
end
```

**Bugs:** Doesn't work, No quick solution

**To fix:** Make working check

**Rating:** 0/5

# Ivo Valchev

=begin

Develop a program named FirstName\_LastName\_ClassNumber\_6c8bd9.rb

1. you are given two arguments for a folders with files;
- 1.1 if there are other arguments they should be discarded;
2. file names in this folders are in the form First\_Last\_digits.rb;
3. find the students with 5 letters in the first name that are in both folders. A student is in both folders if it there is a file with the same First and Last Name. Digits might be different;
4. Sort the result by Last name ;
5. Produce a result in CSV format named result.csv:

```
        LastName1,FirstName1
        LastName2,FirstName2
        ...
        LastNameN,FirstNameN
=end

hash_fold1={}
hash_fold2={}

Dir.glob("#{ARGV[0]}*.rb") do |file|
    name = file.split("/").last.split(".").first.split("_")
    isNum = Integer(name[2]) rescue nil
    if name[0] and name[1] and name[0].length == 5 and !isNum!=nil hash_fold1.include?(name[0])
        hash_fold1["#{name[1]}"] = "#{name[0]}"
    end
end

Dir.glob("#{ARGV[1]}*.rb") do |file|
    name = file.split("/").last.split(".").first.split("_")
    isNum = Integer(name[2]) rescue nil
    if name[0] and name[1] and name[0].length == 5 and !isNum!=nil and !hash_fold2.include?(name[0])
        hash_fold2["#{name[1]}"] = "#{name[0]}"
    end
end

File.open("result.csv", "w") do |csv|
    hash_fold1.sort.map do |key, value|
        if (hash_fold1[key]==hash_fold2[key])
            csv.puts("#{key},#{value}")
        end
    end
end
```

**Bugs:** Doesn't work, No quick solution

**To fix:** Program should be redone!

**Rating:** 0/5

# Kalin Marinov

```
==begin
#Develop a program named FirstName_LastName_ClassNumber_bce70c.rb
#1. you are given an argument for a folder with files;
#1.1 if there are other arguments they should be discarded
#2. file names in this folder are in the form First_Last_digits.rb;
#3. find all the students that have 5 letters in their second name;
#4. Sort the result by First name DESC.
#5. Produce a result in CSV format named result.csv:
#
#      FirstName1,LastName1
#      FirstName2,LastName2
#      ...
#      FirstNameN,LastNameN
==end
```

```
require 'csv'
```

```
hash = Hash.new
```

```
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
```

**Bugs:** Bad file sending, First name isn't taken correctly

**To fix:** Should be added additional split for first name, check before sending

**Rating:** 1/5

# Kamena Dacheva

=begin

Develop a program named FirstName\_LastName\_ClassNumber\_0af18f.rb

1. you are given an argument for a folder with files;
- 1.1 if there are other arguments they should be discarded
2. file names in this folder are in the form First\_Last\_digits.rb;
3. find all the students that have 5 letters in their second name;
4. Sort the result by First name DESC.
5. Produce a result in CSV format named result.csv:

```
FirstName1,LastName1
FirstName2,LastName2
...
FirstNameN,LastNameN
```

=end

```
student = Hash.new { |name, programs| name[programs] = [] }
directory = ARGV[0]
require "csv"
```

```
class String
  def is_number?
    Float(self) != nil rescue false
  end
end
```

```
Dir.glob("#{directory}/*.rb") do |my_repository|
```

```
  name_dir = my_repository.split("/").last
```

```
  name = name_dir.split("_").first.capitalize
  sir_name = name_dir.split("_", 2).last.split("_").first.capitalize
  program = name_dir.split("_").last.split(".").first
  ex = name_dir.split("_").last.split(".").last
```

```
  if name_dir.include? "_" then counter = name_dir.count "_" end
  student["#{name}"] << sir_name if ((counter == 2) && (sir_name.length == 5) && (program.is_number?) &&
(ex == "rb"))
end
```

```
CSV.open("result.csv", "w") do |csv|
  student.sort_by{|k, v| v}.reverse.each do |f_name, l_name|
    csv << [f_name, l_name].flatten
  end
end
```

**Bugs:** no bugs

**To fix:** nothing to fix

**Rating:** 5/5

## Kristina Pironkova

=begin

Develop a program named FirstName\_LastName\_ClassNumber\_890ba0.rb

1. you are given an argument for a folder with files;

1.1 if there are other arguments they should be discarded

2. file names in this folder are in the form First\_Last\_digits.rb;

3. find all the students that have 10 letters in their first name;

4. Sort the result by Last Name DESC.

5. Produce a result in CSV format named result.csv:

    FirstName1,LastName1

    FirstName2,LastName2

    ...

    FirstNameN,LastNameN

=end

require 'csv'

results=Hash.new

Directory = ARGV[0]

Dir.glob("#{Directory}/\*.rb") do |file\_name|

    first\_name = file\_name.split("/").last.split("\_").first.capitalize

    last\_name=file\_name.split("/").last.split("\_",2).last.split("\_").first.capitalize

        if first\_name.length == 10

            results["#{last\_name}"] = "#{first\_name}"

        end

end

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

    results.sort.each do |first,last|

        csv << [last,first]

    end

end

**Bugs:** Uses capitalize, bad csv saving

**To fix:** should be result.csv, remove capitalizing. Don't copy-paste code from colleagues

**Rating:** 1/5

# Lubomir Yankov

```
require 'csv'
def is_numeric(o)
  true if Integer(o) rescue false
end

array = []
count = 0

Dir.glob(ARGV[0] + "*").each do |file|
  ch_count = 0
  file_name = file.split("/").last.split("")

  file_name.each do |ch|

    if is_numeric(ch)

      ch_count += 1

    end

  end

  if ch_count == 9
    len = file_name.length
    array[count] = []
    array[count][0] = file_name
    array[count][1] = len/2.round
    count += 1
  end

end

array = array.sort_by {|el| el[0]}
CSV.open("results.csv", "w") do |csv|

  array.each do |element|

    csv << element

  end

end
```

**Bugs:** bad csv saving, Doesn't work

**To fix:** should be result.csv, Check for 7 digits

**Rating:** 0/5

# Marian Belchev

=begin

Develop a program named FirstName\_LastName\_ClassNumber\_ad26e0.rb

1. you are given two arguments for a folders with files;
- 1.1 if there are other arguments they should be discarded;
2. file names in this folders are in the form First\_Last\_digits.rb;
3. find the students that are only in the second folder and not in the first. A student is in both folders if it there is a file with the same First and Last Name. Digits might be different;
4. Sort the result by First name ;
5. Produce a result in CSV format named result.csv:

```
      LastName1,FirstName1
      LastName2,FirstName2
      ...
      LastNameN,FirstNameN
=end

require 'csv'

hash1 = Hash.new
hash2 = Hash.new

Dir.glob("#{ARGV[0]}*_*_.rb") do |file1|
  Dir.glob("#{ARGV[1]}*_*_.rb") do |file2|
    firstName1 = file1.split("/").last.split("_").first
    lastName1 = file1.split("/").last.split("_", 2).last.split("_").first
    number1 = file1.split("_").last.split(".").first

    firstName2 = file2.split("/").last.split("_").first
    lastName2 = file2.split("/").last.split("_", 2).last.split("_").first
    number2 = file2.split("_").last.split(".").first

    hash1[firstName1] = lastName1 + "." + number1
    hash2[firstName2] = lastName2 + "." + number2
  end
end

CSV.open("results.csv", "w") do |csv|
  hash2.sort.each do |key, value|
    if !hash1.has_key?(key) && !hash1.has_value?(value.split(".").first) &&
!hash1.has_value?(value.split(".").last.to_i)
      csv << [key,value.gsub('.',",")]
    end
    if hash1.has_key?(key) && !hash1.has_value?(value.split(".").first) &&
!hash1.has_value?(value.split(".").last.to_i)
      csv << [key,value.gsub('.',",")]
    end
  end
end
```

**Bugs:** bad csv saving, Doesn't work

**To fix:** should be result.csv

**Rating:** 0/5



# Momchil Angelov

=begin

Develop a program named FirstName\_LastName\_ClassNumber\_d8aa65.rb

1. you are given two arguments for a folders with files;

1.1 If there are other arguments they should be discarded;

2. Find all the files from both folders that are not in the format FirsrName\_LastName\_digits.rb. If there are duplicates the file must be written only once.

2.1 If two files are of the same lenth those files should be sorted in ASC order;

3. Calculate the length of their names (including extensions).;

4. Sort the result by lenth ;

5. Produce a result in CSV format named result.csv:

File1,3

File2,4

...

FileN,3

=end

require 'csv'

arr1=Array.new

arr2=Array.new

arr3=Array.new

a = ARGV[0]

b = ARGV[1]

i=0

Dir.glob(a + "/\*.rb") do |my\_text\_file1|

short= my\_text\_file1.split('/').last

length1 = short.length

shorter= short.split('.').first.split('\_')

first\_name=shorter[0]

last\_name=shorter[1]

digits=shorter[2].to\_i

if !first\_name || !last\_name || digits=0

next

else

arr1 << ["#{short}" "#{length1}"]

end

end

Dir.glob(b + "/\*.rb") do |my\_text\_file2|

short2= my\_text\_file2.split('/').last

length2 = short2.length

shorter2= short2.split('.').first.split('\_')

first\_name2=shorter2[0]

last\_name2=shorter2[1]

digits2=shorter2[2].to\_i

if !first\_name2 || !last\_name2 || digits2=0

next

else

arr2 << ["#{short2}", "#{length2}"]

```
end
end

arr3 = arr1 & arr2

arr3 = arr3.sort_by {|el|
  el[1]
}

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

arr3.each do |element|
csv << element
end

end
```

**Bugs:** Doesn't work, No quick solution

**To fix:** test before sending program

**Rating:** 0/5

## Moretti Georgiev

=begin

Develop a program named FirstName\_LastName\_ClassNumber\_b7f153.rb

1. you are given an argument for a folder with files;

1.1 if there are other arguments they should be discarded

2. file names in this folder are in the form First\_Last\_digits.rb;

3. find all the students that have 10 letters in their second name;

4. Sort the result by Last Name ASC.

5. Produce a result in CSV format named result.csv:

FirstName1,LastName1

FirstName2,LastName2

...

FirstNameN,LastNameN

=end

require 'csv'

student = Hash.new

Dir.glob("#{ARGV[0]}\*\_\*\_\*.rb") do |file|

  firstName = file.split("/").last.split("\_").first

  lastName = file.split("/").last.split("\_", 2).last.split("\_").first

  digit = file.split("/").last.split("\_").last.split(".").first

  if lastName.length == 10

    student[firstName] = lastName

  end

end

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

  student.sort.each do |key, value|

    csv\_file << ["#{key}", "#{value}"]

  end

end

**Bugs:** no bugs

**To fix:** nothing to fix

**Rating:** 5/5

## Nikola Marinov

=begin

1. you are given two arguments for a folders with files;

1.1 if there are other arguments they should be discarded;

2. Find all the files from both folders that have exactly 7 digits from 0 to 9 in their names excluding extension. If there are duplicates the file must be written only once.;

3. Calculate the length of their names (including extensions) divided by 2 rounded to the smallest number;

4. Sort the result by File name ;

5. Produce a result in CSV format named result.csv:

File1,3

File2,4

...

FileN,3

=end

```

require 'csv'
def is_numeric(o)
  true if Integer(o) rescue false
end

array=[]

count=0
Dir.glob(ARGV[0] + "**/*.txt").each do |file|

  full_name=file.split("/").last
  name = file.split("/").last.split(".").first_split("_")

  if name.lenght != 3 && !is_numeric(name[2])
    array(count) = []
    array(count) [0]=full_name
    array(count) [1]= full_name.to_s.lenght
    count += 1

  end
end

Dir.glob(ARGV[0] + "**/*.txt").each do |file|

  full_name=file.split("/").last
  name = file.split("/").last.split(".").first_split("_")

  if name.lenght != 3 && !is_numeric(name[2])
    array(count) = []
    array(count) [0]=full_name
    array(count) [1]= full_name.to_s.lenght
    count += 1

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

CSV.open("task.csv",w) do |csv|
  array=uniq.each do |element|
    csv << element
  end
end

```

**Bugs:** bad style of writing code, bad csv saving, Doesn't work

**To fix:** use tabs, should be result.csv, fix arrays

**Rating:** 0/5

# Petko Bozhinov

```
# Develop a program named FirstName_LastName_ClassNumber_954dc6.rb
# 1. you are given two arguments for a folders with files;
# 1.1 if there are other arguments they should be discarded;
# 2. file names in this folders are in the form First_Last_digits.rb;
# 3. find the students with 5 letters in the first name that are in both folders. A student is in both folders if it there is
a file with the same First and Last Name. Digits might be different;
# 4. Sort the result by Last name ;
# 5. Produce a result in CSV format named result.csv:
# LastName1,FirstName1
# LastName2,FirstName2
# ...
# LastNameN,FirstNameN
```

```
require 'csv'
class String
  def numeric?
    Float(self) != nil rescue false
  end
end
end
output = Array.new
i = 0
Dir.glob(ARGV[0] + "/*") do |file|
  file = file.split('/').last.split('.').first.split('_')
  Dir.glob(ARGV[1] + "/*") do |file2|
    file2 = file2.split('/').last.split('.').first.split('_')
    if "#{file[0]} #{file[1]}" == "#{file2[0]} #{file2[1]}"
      if file[2].numeric?
        if file[0].to_s.length == 5
          output[i] = Array.new
          output[i][0] = file[0]
          output[i][1] = file[1]
          i+=1
        end
      end
    end
  end
end
end
output = output.sort_by{ |element| element[1]}
CSV.open("result.csv", "w") do |csv|
  output.each do |pusher|
    csv << pusher
  end
end
end
```

**Bugs:** bad check for filename

**To fix:** check if filename is in format First\_Last\_number.rb

**Rating:** 3/5

# Radoslav Kostadinov

=begin

Develop a program named FirstName\_LastName\_ClassNumber\_772118.rb

1. you are given two arguments for a folders with files;
  - 1.1 if there are other arguments they should be discarded;
2. file names in this folders are in the form First\_Last\_digits.rb;
3. find the students that are only in the second folder and not in the first. A student is in both folders if it there is a file with the same First and Last Name. Digits might be different;
4. Sort the result by First name ;
5. Produce a result in CSV format named result.csv:

```
LastName1,FirstName1
LastName2,FirstName2
...
LastNameN,FirstNameN
```

=end

```
require 'csv'
```

```
file1 = Hash.new
```

```
file2 = Hash.new
```

```
path1 = ARGV[0]
```

```
path2 = ARGV[1]
```

```
Dir.glob("#{path1}*.rb") do |my_text_file|
```

```
  s = my_text_file.split(/\/\//).last.capitalize
```

```
  first_name = my_text_file.split("/").last.split("_").first
```

```
  last_name = my_text_file.split("/").last.split("_",2).last.split("_").first
```

```
  if s.count('_') == 2 and !((first_name == "" || first_name == " ") || (last_name == "" || last_name == " "))
```

```
    file1[first_name] = last_name
```

```
  end
```

```
end
```

```
Dir.glob("#{path2}*.rb") do |my_text_file|
```

```
  s = my_text_file.split(/\/\//).last.capitalize
```

```
  first_name = my_text_file.split("/").last.split("_").first
```

```
  last_name = my_text_file.split("/").last.split("_",2).last.split("_").first
```

```
  if s.count('_') == 2 and !((first_name == "" || first_name == " ") || (last_name == "" || last_name == " "))
```

```
    file2[first_name] = last_name
```

```
  end
```

```
end
```

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

```
  file1.sort.each do |first_name, last_name|
```

```
    file2.sort.each do |first_name1, last_name1|
```

```
      if first_name1 == first_name and last_name1 == last_name
```

```
        begin
```

```
          end
```

```
        else
```

```
          csv << [last_name1, first_name1]
```

```
        end
```

```
      end
```

```
    end
```

```
  end
```

**Bugs:** bad check for filename

**To fix:** check if filename is in format First\_Last\_digits.rb

**Rating:** 1/5

# Simeon Shopkin

=begin

Develop a program named FirstName\_LastName\_ClassNumber\_56a835.rb

1. you are given two arguments for a folders with files;
  - 1.1 if there are other arguments they should be discarded;
2. Find all the files from both folders that are not in the format FirstName\_LastName\_digit.rb. If there are duplicates the file must be written only once. If two files are of the same length those files should be sorted in ASC order;
3. Calculate the length of their names (including extensions).;
4. Sort the result by length ;
5. Produce a result in CSV format named result.csv:

```
File1,3
File2,4
...
FileN,3
```

=end

require 'csv'

arr = Array.new

Dir.glob(ARGV[0]+"/\*.\*rb") do |first\_files|

Dir.glob(ARGV[1]+"/\*.\*rb") do |second\_files|

first\_files = first\_files.split("/").last.split(".").first.split("\_")

if first\_files.size != 3

if first\_files != second\_files

print\_count = first\_files.split("/").last.split(".").first

p = print\_count.size.to\_s

print =

first\_files[0].capitalize+"\_"+first\_files[1].capitalize+"\_"+first\_files[2]+", "+p

arr.push(print)

end

end

end

end

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

arr.sort.each do |element|

csv << [element]

end

end

**Bugs:** doesn't work, No quick solution

**To fix:** At least read your assignment

**Rating:** 0/5

# Stanimir Bogdanov

```
# scp MyFile.txt student11b@172.16.18.14:/home/student11b/results_a

=begin
Develop a program named FirstName_LastName_ClassNumber_ca514d.rb

1. you are given an argument for a folder with files;
1.1 if there are other arguments they should be discarded
2. file names in this folder are in the form First_Last_digits.rb;
3. find all the students that have 10 letters in their first name;
4. Sort the result by Last Name DESC.
5. Produce a result in CSV format named result.csv:

    FirstName1,LastName1
    FirstName2,LastName2
    ...
    FirstNameN,LastNameN
=end

require 'csv'

directory = ARGV[0]
students = Hash.new

Dir.glob("#{directory}*") do |filename|
  unless (filename.split('/').last =~ /^[a-zA-Z0-9]+_[a-zA-Z0-9]+_[0-9]+.rb$/).nil?
    first_name = filename.split('/').last.split('_')[0]
    second_name = filename.split('/').last.split('_')[1]
    students[first_name] = second_name if first_name.length == 10
  end
end

CSV.open("result.csv", "w") do |csv|
  Hash[students.sort_by { |first, last| last }.reverse].each do |first, last|
    csv << [ first, last ]
    # puts "#{first},#{last}"
  end
end
```

**Bugs:** no bugs

**To fix:** nothing to fix

**Rating:** 5/5



# Stanislav Gospodinov

=begin

Develop a program named FirstName\_LastName\_ClassNumber\_b36abb.rb

1. you are given an argument for a folder with files;
  - 1.1 if there are other arguments they should be discarded
2. file names in this folder are in the form First\_Last\_digits.rb;
3. find all the students that have 5 letters in their second name;
4. Sort the result by Last Name ASC.
5. Produce a result in CSV format named result.csv:

```
FirstName1,LastName1
FirstName2,LastName2
...
FirstNameN,LastNameN
```

=end

```
require 'csv'
```

```
hash = Hash.new
```

```
Dir.glob("#{ARGV[0]}*.rb") do |file|
  filename = file.split('/').last.split('.').first;
  if filename.split('_').length == 3
    if filename.split('_')[1].length == 5
      hash[filename.split('_')[0]] = filename.split('_')[1]
    end
  end
end
```

```
hash = Hash[hash.sort_by{|k, v| v}]
```

```
CSV.open("results.csv", "w") do |csv|
  hash.each do |key, value|
    csv << [key, value].flatten
  end
end
```

**Bugs:** bad csv saving, bad filename check

**To fix:** should be result.csv, check if 'digits' is a number

**Rating:** 4/5

# Stanislav Valkanov

```
#Develop a program named FirstName_LastName_ClassNumber_4482c1.rb

#1. you are given an argument for a folder with files;
#1.1 if there are other arguments they should be discarded
#2. file names in this folder are in the form First_Last_digits.rb;
#3. find all the students that have 5 letters in their second name;
#4. Sort the result by First name DESC.
#5. Produce a result in CSV format named result.csv:

#           FirstName1,LastName1
#           FirstName2,LastName2
#           ...
#           FirstNameN,LastNameN

require 'csv'
a = Hash.new
path = ARGV[0]
Dir.glob(path + "**/*.rb") do |my_text_file|
  short_name = my_text_file.split('/').last.split('.').first
  name = short_name.split("_")[0]
  last = short_name.split("_")[1]
  last.to_s
  if (last.length == 5) && (short_name.split("_").size == 3)
    a["#{name}_"] = last
  end
end
CSV.open("result.csv", "w") do |csv|
  Hash[a.sort.reverse].each do |element|
    csv << element
  end
end
```

**Bugs:** bad code style, bad filename check

**To fix:** use tabs, check if there are 2x`\_` in filename before splitting, check if `digits` is a number

**Rating:** 0/5

# Tihomir Lidanski

#Develop a program named FirstName\_LastName\_ClassNumber\_dafd44.rb

#1. you are given two arguments for a folders with files;  
#1.1 if there are other arguments they should be discarded;  
#2. Find all the files from both folders that have exactly 7 digits from 0 to 9 in their names excluding extension. If there are duplicates the file must be written only once.;  
#3. Calculate the length of their names (including extensions) divided by 2 rounded to the smalles number;  
#4. Sort the result by File name ;  
#5. Produce a result in CSV format named result.csv:

```
#           File1,3
#           File2,4
#           ...
#           FileN,3
```

```
require 'csv'
```

```
Dir.glob(ARGV[0] + "*.") do |file|
  name = file.split ("/").last.split(".")
```

```
Dir.glob(ARGV[1] + "*.") do |file|
```

```
puts name.length % 2.round()
```

```
end
end
```

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

```
End
```

**Bugs:** there's no actual code

**To fix:** write code

**Rating:** 0/5

## Veselin Dechev

```
require 'csv'
result = Hash.new
Dir.glob(ARGV[0] + "*.rb").each do |first|
  name1 = first.split("/").last.capitalize
  first_name = name1.split("_").first.capitalize
  last_name = name1.split("_", 2).last.split('_').first.capitalize
  Dir.glob(ARGV[1] + "*.rb").each do |second|
    name2 = second.split("/").last.capitalize
    if (name1 == name2)
      result.compare_by_identity
      result[first_name] = last_name
    end
  end
end
end
CSV.open("result.csv", "w") do |csv|
  result.sort_by{|k, v| k}.each do |element|
    csv << element
  end
end
end
```

**Bugs:** assignment's text missing, bad filename: "Veselin\_Dechev\_11A2\_5f1c22.rb"

**To fix:** read assignment, in filename there should be a '\_' between 11A and 2

**Rating:** 0/5

# Work of class 'B'

---

## Borislav Stratev

```
#Develop a program named FirstName_LastName_ClassNumber_a65be5.rb

#1. you are given two arguments for a folders with files;
#1.1 if there are other arguments they should be discarded;
#2. file names in this folders are in the form First_Last_digits.rb;
#3. find the students that are only in the first folder and not in the second. A student is in
both folders if it there is a file with the same First and Last Name. Digits might be different;
#4. Sort the result by Last name ;
#5. Produce a result in CSV format named result.csv:

#      LastName1,FirstName1
#      LastName2,FirstName2
#      ...
#      LastNameN,FirstNameN

require 'csv'
a = Array.new
h = Hash.new
Dir.glob("#{ARGV[0]}/*.rb") do |dir_file_name_1|
  Dir.glob("#{ARGV[1]}/*.rb") do |dir_file_name_2|

    file_name_1 = dir_file_name_1.split(/\\/).last.to_s
    file_name_2 = dir_file_name_2.split(/\\/).last.to_s

    if(file_name_1 != file_name_2)
      file_name = file_name_1
      digit = file_name.split(/_/).last.split(/\./).first.to_s
      first_name = file_name.split(/_/).first.to_s
      full_first_name = first_name + digit
      full_first_name = full_first_name.to_s
      tmp = file_name.split("#{first_name}_")
      full_last_name = tmp.last.split(/_/).first.to_s + digit
      full_last_name = full_last_name.to_s
      h[full_last_name] = full_first_name
    end
  end
end

CSV.open("results.csv", "w") do |csv|
  a = h.sort
  a.each do |element|
    csv << element
  end
end
```

**Bugs:** bad csv saving, there's output for some reason

**To fix:** should be result.csv, delete all 'puts'

**Rating:** 2/5

# David Georgiev

#Develop a program named FirstName\_LastName\_ClassNumber\_1eea4f.rb

- #1. you are given an argument for a folder with files;
- #1.1 if there are other arguments they should be discarded
- #2. file names in this folder are in the form First\_Last\_digits.rb;
- #3. find all the students that have 5 letters in their second name;
- #4. Sort the result by Last Name ASC.
- #5. Produce a result in CSV format named result.csv:

```
#           FirstName1,LastName1
#           FirstName2,LastName2
#           ...
#           FirstNameN,LastNameN

require 'csv'
students_names = []
Dir.glob("#{ARGV[0]}/**/*.rb") do |current_file|

  name = current_file.split('/').last.split(/_/)
  if name[1].length == 5
    if not students_names.include?("#{name[1]}", "#{name[0]}") then
      students_names << (["#{name[1]}", "#{name[0]}"])
    end
  end
end
end
CSV.open("result.csv", "w") do |csv|
  students_names.sort.each do |last, first|
    csv << ["#{first}", "#{last}"]
  end
end
end
```

**Bugs:** can't handle nil as value

**To fix:** if name[1] == nil next end

**Rating:** 4/5

# Iliyan Germanov

```
=begin
    Develop a program named FirstName_LastName_ClassNumber_f8b0d9.rb

1. you are given two arguments for a folders with files;
1.1 if there are other arguments they should be discarded;
2. file names in this folders are in the form First_Last_digits.rb
3. find the students that are only in the first folder and not in the second. A student is in both
folders if it there is a file with the same First and Last Name. Digits might be different;
4. Sort the result by Last name ;
5. Produce a result in CSV format named result.csv:

    LastName1,FirstName1
    LastName2,FirstName2
    ...
    LastNameN,FirstNameN
=end

require 'csv'
results = Hash.new
results.compare_by_identity
def is_number(str)
    str[/[0-9]+/] == str
end
Dir.glob("#{ARGV[0]}/*.rb") do |path1|
    filename1 = path1.split(/\/\//).last
    if filename1.count("_") == 2
        firstname1 = filename1.split("_").first
        lastname1 = filename1.split("_")[1]
        digit1 = filename1.split("_")[2].split(".").first
        if is_number(digit1)
            flag = 0
            Dir.glob("#{ARGV[1]}/*.rb") do |path2|
                filename2 = path2.split(/\/\//).last
                if filename2.count("_") == 2
                    digit2 = filename2.split("_")[2].split(".").first
                    if is_number(digit2)
                        name1 = firstname1 + lastname1
                        name2 = filename2.split("_").first +
filename2.split("_")[1]

                        if name1 == name2
                            flag = 1
                            break
                        end
                    end
                end
            end
            if flag == 0
                results[lastname1] = firstname1
            end
        end
    end
end

end

end

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

end
```

**Bugs:** no bugs

**To fix:** nothing to fix

**Rating:** 4/5

# Lili Kokalova

=begin

Develop a program named FirstName\_LastName\_ClassNumber\_e0ea9c.rb

1. you are given two arguments for a folders with files;

1.1 if there are other arguments they should be discarded;

2. file names in this folders are in the form First\_Last\_digits.rb;

3. find the students that are only in the second folder and not in the first. A student is in both folders if it there is a file with the same First and Last Name. Digits might be different;

4. Sort the result by First name ;

5. Produce a result in CSV format named result.csv:

LastName1,FirstName1

LastName2,FirstName2

...

LastNameN,FirstNameN

=end

require 'csv'

student = Array.new

student1 = Array.new

```
Dir.glob(ARGV[0]+"/**/*.rb").each do |file_name1|
  file_name = file_name1.split("/").last
  first_name = file_name.split("/").last.split("_").first
  p first_name
  last_name = file_name.split("/").last.split("_",2).last.split("_").first
  #task = file_name.split("_").last.split(".").first
  student << ["#{first_name}", "#{last_name}"]
end
```

```
Dir.glob(ARGV[1]+"/**/*.rb").each do |file_name1|
  file_name = file_name1.split("/").last
  first_name = file_name.split("/").last.split("_").first
  p first_name
  last_name = file_name.split("/").last.split("_",2).last.split("_").first
  #task = file_name.split("_").last.split(".").first
  student1 << ["#{first_name}", "#{last_name}"]
end
```

```
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
```

**Bugs:** Doesn't work, No quick solution

**To fix:** Program should be redone with better logical system!

**Rating:** 0/5



# Nikolay Mihailov

```
#Develop a program named FirstName_LastName_ClassNumber_f70059.rb
#1. you are given two arguments for a folders with files;
#1.1 if there are other arguments they should be discarded;
#2. Find all the files from both folders that have exactly 7 digits from 0 to 9 in their names
excluding extension. If there are duplicates the file must be written only once.;
#3. Calculate the length of their names (including extensions) divided by 2 rounded to the smallest
number;
#4. Sort the result by File name ;
#5. Produce a result in CSV format named result.csv:
```

```
#           File1,3
#           File2,4
#           ...
#           FileN,3

require 'csv'
hash = Hash.new
count = 0

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

    first = file.split(/\/\//).last
    puts first

    #for (i = 0;i < first.length;i+=1)
    size = first.length
    i = 0
    first.each do |element|

        c = first[i].chr
        if element == 0 || element == 1 || element == 2 || element == 3 || element
== 4 || element == 5 || element == 6 || element == 7 || element == 8 || element == 9
            count +=1
        end
    end
    puts count
end

Dir.glob(ARGV[1] + "/*.rb") do |secFile|
    sec = secFile.split(/\/\//).last
    #puts sec
end

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

end
```

**Bugs:** Doesn't work, No quick solution, there's output for some reason

**To fix:** delete all 'puts', make program work for all Ruby versions

**Rating:** 0/5

# Stanislav Iliev

```
#Develop a program named FirstName_LastName_ClassNumber_627d43.r#
#1. you are given two arguments for a folders with files;
#1.1 if there are other arguments they should be discarded;
#2. file names in this folders are in the form First_Last_digits.rb;
#3. find the students that are only in the first folder and not in the second. A student
is in both folders if it there is a file with the same First and Last #Name. Digits might
be different;
#4. Sort the result by Last name ;
#5. Produce a result in CSV format named result.csv:
#
#       LastName1,FirstName1
#       LastName2,FirstName2
#       ...
#       LastNameN,FirstNameN
```

```
require 'csv'
name_array = Array.new()
name_array2 = Array.new()
support_array = Array.new()
support_array2 = Array.new()
i = 0
dir1 = ARGV[0]
dir2= ARGV[1]
Dir.glob("#{dir1}/*.rb") do |file|
    name_array[i] = file.split(/\\/).last
    i += 1
end
count = i
i = 0
Dir.glob("#{dir2}/*.rb") do |file2|
    name_array2[i] = file2.split(/\\/).last
    i += 1
end
i = 0
for check in i..count
    if name_array[check] != name_array2[check]
        support_array[i] = name_array[check]
        support_array2[i] = name_array2[check]
        i += 1
        puts support_array
        puts support_array2
        CSV.open("result.csv", "w") do |csv|
            support_array.each do |element|
                csv << [element]
            end
        end
        CSV.open("result.csv", "w") do |csv|
            support_array2.each do |element2|
                csv << [element2]
            end
        end
    end
end
end
```

**Bugs:** Doesn't work, No quick solution

**To fix:** Program should be redone with better logical system!

**Rating:** 0/5

# Stefan Iliev

```
#Develop a program named FirstName_LastName_ClassNumber_d77aee.rb
#
#1. you are given two arguments for a folders with files;
#1.1 if there are other arguments they should be discarded;
#2. Find all the files from both folders that are not in the format
FirsrName_LastName_digit.rb. If there are duplicates the file #must be written only once.
If two files are of the same lenght those files should be sorted in ASC order;
#3. Calculate the length of their names (including extensions).;
#4. Sort the result by length ;
#5. Produce a result in CSV format named result.csv:
#
#           File1,3
#           File2,4
#           ...
#           FileN,3

require 'csv'

first_folder = ARGV.shift
second_folder = ARGV.shift || "err"
names_hash = Hash.new

Dir.glob(first_folder+"/*.*").each do |text_file|
  text_file = text_file.split("/").last
  if (text_file.split("_").length == 3) then
    first_name = text_file.split("_")[0]
    second_name = text_file.split("_")[1]
    diggit = text_file.split("_")[2].split(/\./).first
    if (diggit.to_i.to_s != diggit) then names_hash[text_file] =
text_file.length end
    if (first_name =~ /\d/) then names_hash[text_file] = text_file.length end
    if (second_name =~ /\d/) then names_hash[text_file] = text_file.length end
  else
    names_hash[text_file] = text_file.length
  end
end

if second_folder != "err"
  Dir.glob(second_folder+"/*.*").each do |text_file|
    text_file = text_file.split("/").last
    if (text_file.split("_").length == 3) then
      first_name =text_file.split("_")[0]
      second_name = text_file.split("_")[1]
      diggit = text_file.split("_")[2].split(/\./).first
      if (diggit.to_i.to_s != diggit) then names_hash[text_file] =
text_file.length end
      if (first_name =~ /\d/) then names_hash[text_file] =
text_file.length end
      if (second_name =~ /\d/) then names_hash[text_file] =
text_file.length end
    else
      names_hash[text_file] = text_file.length
    end
  end
end

names_hash = Hash[names_hash.sort_by{|k,v| k} ]
names_hash = Hash[names_hash.sort_by{|k,v| v} ]

puts names_hash
```

```

CSV.open("results.csv","w") do |csv|
  names_hash.each do |element|
    csv << element
  end
end
end

```

**Bugs:** bad csv saving, there's output for some reason, bad filename check

**To fix:** delete every 'puts', First and Last can contain numbers, check if extension is '.rb'

**Rating:** 3/5

**Just saying:** it's digit, not diggit

## Valentin Varbanov

```
=begin
```

Develop a program named FirstName\_LastName\_ClassNumber\_041472.rb

1. you are given two arguments for a folders with files;
- 1.1 if there are other arguments they should be discarded;
2. file names in this folders are in the form First\_Last\_digits.rb;
3. find the students that are only in the first folder and not in the second. A student is in both folders if it there is a file with the same First and Last Name. Digits might be different;
4. Sort the result by Last name ;
5. Produce a result in CSV format named result.csv:

```

LastName1,FirstName1
LastName2,FirstName2
...
LastNameN,FirstNameN

```

```
=end
```

```

students_first_dir = Array.new
students_second_dir = Array.new

```

```
for i in 0..1
```

```

  directory = ARGV[i]
  if ARGV[i].split(/\/).last(1).to_s == "/"
    directory += "**/*.rb"
  else
    directory += "/*.rb"
  end

```

```

  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
  end
end

studentcsv = Array.new

students_first_dir.each do |std|
  match = 0
  students_second_dir.each do |std2|
    name = std.last.split(/_/)

    name2 = std2.last.split(/_/)
    for i in 0..1
      if name[i] == name2[i]
        match = 1
      end
    end

    end
    studentcsv.push(name[1], name[2])
  end

  CSV.open("result.csv", "w") do |csv|
    studentcsv.each do |string|
      csv << string
    end
  end
end

```

**Bugs:** doesn't work, No quick solution

**To fix:** don't use so many variables/arrays/code

**Rating:** 0/5

# Veselina Kolova

=begin

Develop a program named FirstName\_LastName\_ClassNumber\_65630e.rb

1. you are given an argument for a folder with files;
  - 1.1 if there are other arguments they should be discarded
2. file names in this folder are in the form First\_Last\_digits.rb;
3. find all the students that have 5 letters in their second name;
4. Sort the result by First name DESC.
5. Produce a result in CSV format named result.csv:

```
    FirstName1,LastName1
    FirstName2,LastName2
    ...
    FirstNameN,LastNameN
```

=end

```
require 'csv'
```

```
people = Hash.new
```

```
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
```

```
people = Hash[people.sort_by{|k,v| k}.reverse]
```

```
CSV.open("result.csv","w") do |csv|
    people.each do |element|
        csv << element
    end
end
```

**Bugs:** uses expression from internet, without knowing how to use it

**To fix:** if you're searching in internet, find the best solution from at least 2 sources

**Rating:** 3/5

# Vladimir Yordanov

#Develop a program named FirstName\_LastName\_ClassNumber\_4bbed0.rb

- #1. you are given an argument for a folder with files;
- #1.1 if there are other arguments they should be discarded
- #2. file names in this folder are in the form First\_Last\_digits.rb;
- #3. find all the students that have 5 letters in their second name;
- #4. Sort the result by Last Name ASC.
- #5. Produce a result in CSV format named result.csv:

```
#           FirstName1,LastName1
#           FirstName2,LastName2
#           ...
#           FirstNameN,LastNameN

names = Hash.new
Dir.glob (ARGV[0] + "*.rb") do |file|
  if (ARGV[1] == true)
    ARGV[1] == false
  end

  slice = file.split("/").last
  first_name = slice.split('_')[0]
  second_name = slice.split('_')[1]
  if (second_name.length == 5)
    #print first_name
    #puts second_name
    names[first_name] = second_name
  end

end

names = names.sort
puts names

require 'csv'
CSV.open("results.csv", "w") do |csv|
  names.to_a.each do |element|
    csv << element
  end
end
```

**Bugs:** bad csv saving, bad filename check, there's an output for some reason

**To fix:** should be result.csv, delete all `puts`, check if `digits` is a number

**Rating:** 4/5