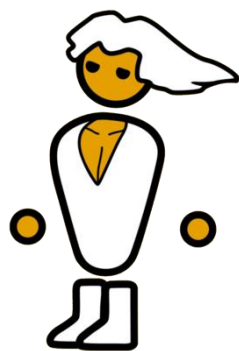


Технологично училище „Електронни системи“ към ТУ-София 26.10.2014г.



PC Master Race:

Станислав Илиев Илиев
Мартин Иванов Григоров
Емилиян Федев Соколов

Class B

1. Borislav Stratev 2_a65be5.rb

CODE:

```
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
End
```

Error 1: full_first_name = first_name + digit

Solution: full_first_name = first_name

Error 2: Writes to results.csv

Solution: CSV.open("result.csv", "w")

Error 3: Program compares digits

Solution:

file_name_1 = dir_file_name_1.split(/\/\//).last.split("_")[0].to_s + dir_file_name_1.split(/\/\//).last.split("_")[1].to_s

file_name_2 = dir_file_name_2.split(/\/\//).last.split("_")[0].to_s + dir_file_name_2.split(/\/\//).last.split("_")[1].to_s

Error 4: Lists all .rb files from the first folder

Solution: There is no quick solution, the cycle must be rewritten

Rank 1/5

2. David Georgiev 12 1eea4f.rb

CODE:

```
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
```

Error 1: Program returns an error if there is no underline in the file name

Solution: if name[1] != nil

Rank 4/5

3. Lili Kokalova 22 e0ea9c.rb

CODE:

```
require 'csv'
student = Array.new
student1 = Array.new

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

Error 1: Outputs in “Firstname,Lastname” format

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

Error 2: Program lists all files from the second folder multiple times

Solution: There is no quick solution, the cycle must be rewritten

Rank 0/5

4. Nikolay Mihailov 25 f70059.rb

CODE:

```
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
```

Error 1: Compile error: Uses 'each' function on a string

Solution:

Dir.glob

...

for pos in 0..first.length - 1

If first[pos].chr == '0' || first[pos].chr == '1' || first[pos].chr == '2' || first[pos].chr == '3' || first[pos].chr == '4' ||
first[pos].chr == '5' || first[pos].chr == '6' || first[pos].chr == '7' || first[pos].chr == '8' || first[pos].chr == '9'

count +=1

end

End

if count == 7

hash[first] = first.length/2

end

count = 0

...

5. Stanislav Iliev 26 627d43.rb

CODE:

```
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}/*. *") do |file|
  name_array[i] = file.split(/\/\//).last
  i += 1
end
count = i
i = 0
Dir.glob("#{dir2}/*. *") 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
```

Error 1: Lists all files from the second folder

Solution: There is no quick solution, the program must be rewritten

Rank 0/5

6. Stefan Iliev 28 d77aee.rb

CODE:

```
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

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
```

Error 1: Writes to results.csv

Solution: CSV.open("result.csv", "w")

Rank 4.99/5

7. Valentin Varbanov 4 041472.rb

CODE:

```
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

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
```

Error 1: Compile error: undefined local variable or method `name' for main:Object

Solution: name = 0; name2 = 0

Error 2: Compile error: uninitialized constant CSV

Solution: require 'csv'

Error 3: Compile error: undefined method `map' for "":String

Error 4: Program pushes firstname and lastname as different elements in the array

Error 5: The array is not sorted

Error 6: The program output in "FirstName, LastName" format

Solution:

```
studentcsv = Hash.new
...
studentcsv[name[1]] = name[0]
...
studentcsv.sort_by{|key,val| key}.each do |string|
  csv << string
End
```

Rank 0/5

8. Veselina Kolova 8 65630e.rb

CODE:

```
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

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

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

Error 1: Syntax errors

Solution:

if File.extname(text_file) && text_file.include?(".rb")

...

digit = text_file.split(/_/).last.split(/\.\/).first.to_i

if File.extname(text_file) && (digit.is_a? Integer)

Error 2: Outputs in "LastName, FirstName" format

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

Rank 2/5

9. Vladimir Yordanov 9 4bbed0.rb

CODE:

```
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
```

Error 1: Writes to results.csv

Solution: CSV.open("result.csv", "w")

Error 2: Program works only when there's a slash at the end of the dir

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

Error 3: Sorts by firstname

Solution: names = names.sort_by{|key,val| val}

Rank 3/5

10. Iliyan Germanov 17 f8b0d9.rb

CODE:

```
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
      end
    end
    if flag == 0
      results[lastname1] = firstname1
    end
  end
end
end

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

We couldn't find any errors

Rank: 5/5 – It's okay

Class A

1.Borislav Rusinov 2 6fb3ad.rb

CODE:

```
a=ARGV[0]
require 'csv'
array=[]
Dir.glob("#{a}*.*)" 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
```

Error 1: Writes to results.csv

Solution: File.open("result.csv", "w")

Rank 4/5

2.Denis Trenchev 4 b4c3f5.rb

CODE:

```
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
```

Error 1: Compile error

Solution: There is no quick solution, we suggest using hashes

Error 2: Program works only when there is a slash at the end of the dir

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

Error 3: Writes to students.csv

Solution: CSV.open("result.csv", "w")

Rank 0/5

3. Dimitar Nestorov 7 0d5526.rb

CODE:

```
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 {|e| -e[1]}
CSV.open("result.csv", "w") do |csv|

  array.uniq.each do |e|

    csv << e
  end
end
```

Error 1: Checks lastname length

Solution: if name[0].length == 10

Error 2: Compile error

Solution: There is no quick solution, we suggest using hashes

Rank 0/5

4. Dimitar Terziev 6 88db52.rb

CODE:

```
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(' ')
  }
}
```

Error 1 : Program works only when there is a slash at the end of the dir
Solution: Dir.glob("#{ARGV[0]}/*.rb*")

Rank 3/5

5. Ivelin Slavchev 10 835552.rb

CODE:

```
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
```

Error 1: Compile error: Compares defined string with unexisting one

Solution: `digit2.to_i.to_s != digit2`

Error 2: Program works only when there is a slash at the end of the dir

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

Error 3: The program returns wrong output

Solution: There is no quick solution, the program must be rewritten

Rank 1/5

6. Ivo Valchev 11 6c8bd9.rb

CODE:

```
hash_fold1={}
hash_fold2={}

Dir.glob("#{ARGV[0]}*.*)" 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
end
Dir.glob("#{ARGV[1]}*.*)" 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
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
end
```

Error 1: Syntax error

Solution: !isNum!=nil and !hash_fold1.include?(name[0])

Rank 3/5

7.Kalin Marinov 14 12 bce70c.rb

CODE:

```
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
```

Error 1: There are multiple errors with the program (With first_name,hash,syntax errors, etc..)

Solution: Rewriting the program:

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

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

End
```

Rank 0/5

8. Kristina Pironkova 15 890ba0.rb

CODE:

```
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
```

Error 1: Writes to results.csv

Solution: CSV.open("result.csv", "w")

Error 2: Program doesn't work with invalid files

Solution: if file_name.split("/").last.count("_") == 2

Rank 4/5

9. Lubomir Yankov 16 650c0b.rb

CODE:

```
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
```

Error 1: Writes to results.csv

Solution: CSV.open("result.csv", "w")

Error 2: Compile errors

Solution: There is no quick solution for the problems

Error 3: The program doesn't contain the task conditions

Rank 1/5

10. Marian Belchev 17 ad26e0.rb

CODE:

```
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
```

Error 1: Program works only when there is a slash at the end of the dir

Solution: Dir.glob("#{ARGV[0]}/*_*_.rb")

Dir.glob("#{ARGV[1]}/*_*_.rb")

Error 2: Writes to results.csv

Solution: File.open("result.csv", "w")

Error 3: Lists all files from the second folder

Solution: There is no quick solution, the program must be rewritten

Rank 2/5

11. Momchil Angelov 18 d8aa65.rb

CODE:

```
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
```

Error 1: Compile errors

Solution: digits == 0 ...

digits2 == 0 ...

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

Error 2: Program outputs to an empty file

Solution: There is no quick solution, the program should be rewritten

Rank 0/5

12. Nikola Marinov 20 add57e.rb

CODE:

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

array=[]

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

Error 1: Compile error

Solution: There is no quick solution, we suggest using hashes

Error 2: Writes to task.csv

Solution: CSV.open("result.csv",w)

Rank 0/5

13. Radoslav Kostadinov 22 772118.rb

CODE:

```
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
end
end
```

Error 1: Program works only when there is a slash at the end of the dir
Solution: Dir.glob("#{path1}/*.rb")

Error 2: Lists all files from the second folder multiple times
Solution: There is no quick solution for this problem

Rank 1/5

14. Simeon Shopkin 23 56a835.rb

CODE:

```
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
        = 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
```

Error 1: Compile error: undefined method

Error 2: The program returns wrong output

Solution: There is no quick solution for this problem

Rank 0/5

15. Stanislav Gospodinov 26 b36abb.rb

CODE:

```
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
```

Error 1: Program works only when there is a slash at the end of the dir

Solution: Dir.glob("#{ARGV[0]}/*.rb")

Error 2: Writes to results.csv

Soluton: CSV.open("result.csv", "w")

Rank 3/5

16. Stanislav Valkanov 25 4482c1.rb

CODE:

```
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
```

Error 1: undefined method `length' for nil:NilClass

Solution: last = short_name.split("_")[1].to_s

Rank 4/5

17. Tihomir Lidanski 27 dafd44.rb

CODE:

```
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
```

Error 1: The program doesn't do anything related to the task

Rank 0/5

18. Veselin Dechev 11A2 5f1c22.rb

CODE:

```
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
```

Error 1: Program doesn't contain the task conditions

Error 2: Program works only when there is a slash at the end of the dir

Solution:

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

Dir.glob(ARGV[1] + "/*")

Summary

- 11/28 (39%) of the programs had wrong csv filename
- 16/28 (57%) of the programs had to be rewritten

