

# STATEMENT OF ACCOMPLISHMENT

#39,601,946

HAS BEEN AWARDED TO

**benjaminbrownstein**

FOR SUCCESSFULLY COMPLETING

**Joining Data with pandas**

LENGTH

**4 HOURS**

COMPLETED ON

**MAR 15, 2025**



Jonathan Cornelissen  
CEO, DataCamp



# STATEMENT OF ACCOMPLISHMENT

#39,598,309

HAS BEEN AWARDED TO

**benjaminbrownstein**

FOR SUCCESSFULLY COMPLETING

**Writing Efficient Python Code**

LENGTH

**4 HOURS**

COMPLETED ON

**MAR 14, 2025**



Jonathan Cornelissen  
CEO, DataCamp



IS305 Progress Report

Ben Brownstein

Dr. Lindsey Handley

2/2/25

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## Module 4 Progress Report

### Description of Progress Since Last Report

I have started learning Ruby. I got it downloaded on my computer and working in VSCode which did take some time as VSCode had problems recognizing my download. I made a test script that uses variables, puts, if statements, and loops. This is mostly to figure out the basics of the language I am next going to look into how functions are made then diving into the exacts for my project. Below is a screenshot of my basics.rb code which is linked in my GitHub repo which I have been using to play around with the basics of ruby.

```
num = 3 ** 2
string = "Test Words"
puts string
puts string.length * num
puts string.upcase
puts string.downcase

if num > 5
  puts "Big Number"
else
  puts "Small Number"
end

i = 0
while i < 5 do
  puts i
  i += 1
end

puts "counter is #{i}"

until i < 0 do
  puts i
  i = i - 2
end

puts "counter is #{i}"
```

For the actual project, I have only outlined what functions I will need to make, the parameters they will require, and what the functions will return. The first three functions I know I can do as from what little looking into the exact code I have done so far I know are already commands but convert to plain text and make form fillable I am less sure but I think the functions I have outlined will work but I may need to look into it more. I plan to have at least the first three functions done by the next progress report. Below is the outline that I have for my project.rb file in the GitHub repo.

```
#PDF Multitool Project File

#Functions
=begin
split(file, page_number)
  splits the pdf file at the page number
  return newfile1, newfile2

join(file1, file2)
  adds file2 to the end of file1
  return newfile

chunk (file, pagenumber1, pagenumber2)
  makes a series of pages a seperate file in the range of pagenumber1 to pagenumber2
  return newfile

convert_To_Plain_Text(file)
  makes a newfile with the text of the pdf file
  return newfile

make_Form_Fillable(file, pagenumber, coordx, coordy, size)
  makes a form fillable box starting at coordx, coordy on pagenumber of file and is size large
  return newfile
=end
```

## Github Link to Scripts

<https://github.com/BenBrownstein/IS305-Ruby-Automation>

## Module 6 Progress Report

### Description of Progress Since Last Report

*Describe what you have accomplished since your last report. What have you studied? Did you create any portions of your automation so far? Where are you at and what do you still need to do? This should be at least 2 paragraphs. Include screenshots that demonstrate any progress.*

### Github Link to Scripts

*Insert Link to public Github repository. (Alternatively, you can upload to a .zip along with your Progress Report. If you plan to do this, say so here.)*

## Module 8 Progress Report

### Description of Progress Since Last Report

*Describe what you have accomplished since your last report. What have you studied? Did you create any portions of your automation so far? Where are you at and what do you still need to do? This should be at least 2 paragraphs. Include screenshots that demonstrate any progress.*

### Github Link to Scripts

*Insert Link to public Github repository. (Alternatively, you can upload to a .zip along with your Progress Report. If you plan to do this, say so here.)*