Albert Nguyen
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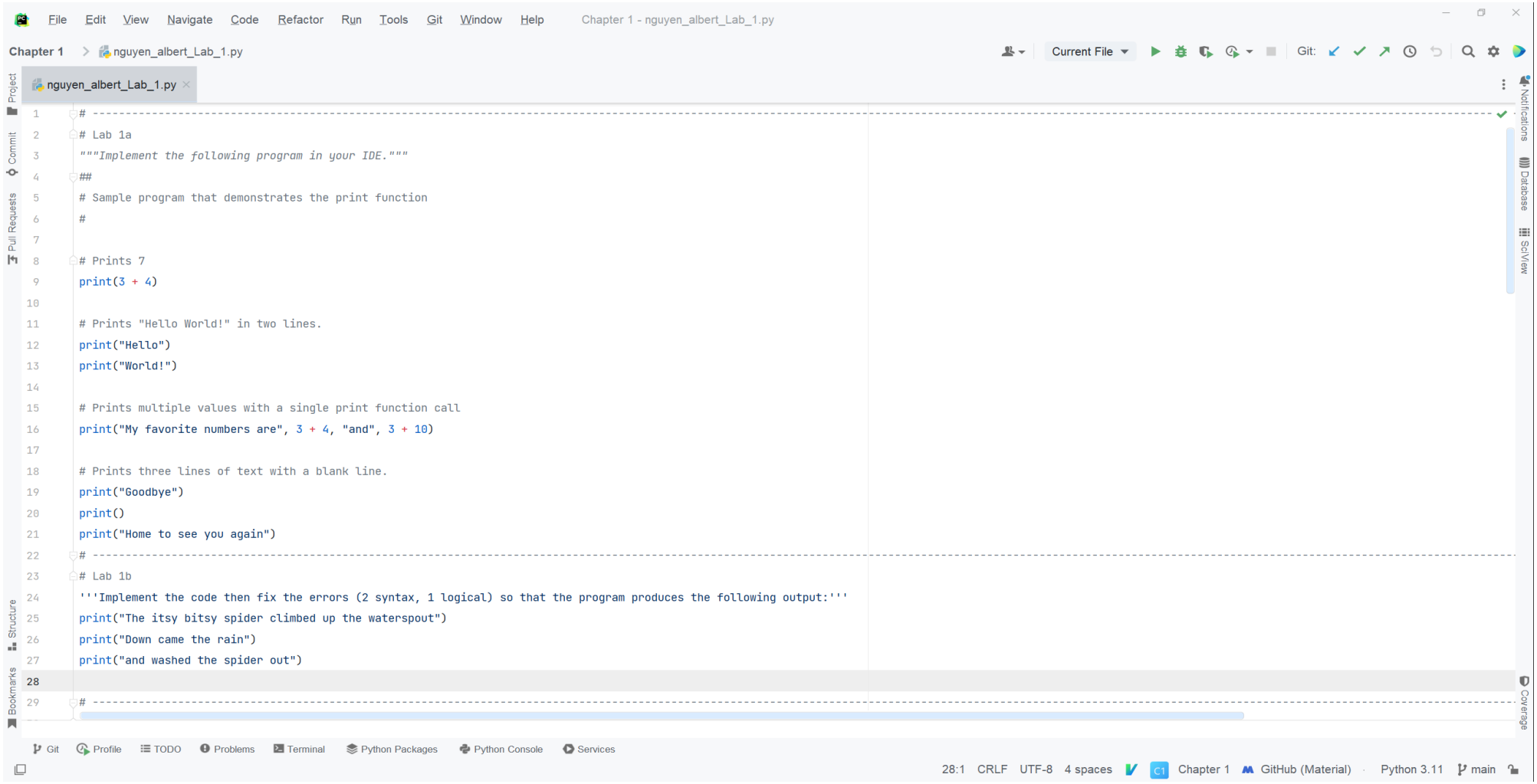
Chapter 1 Lab – 1a - 1d



A&B_Code _

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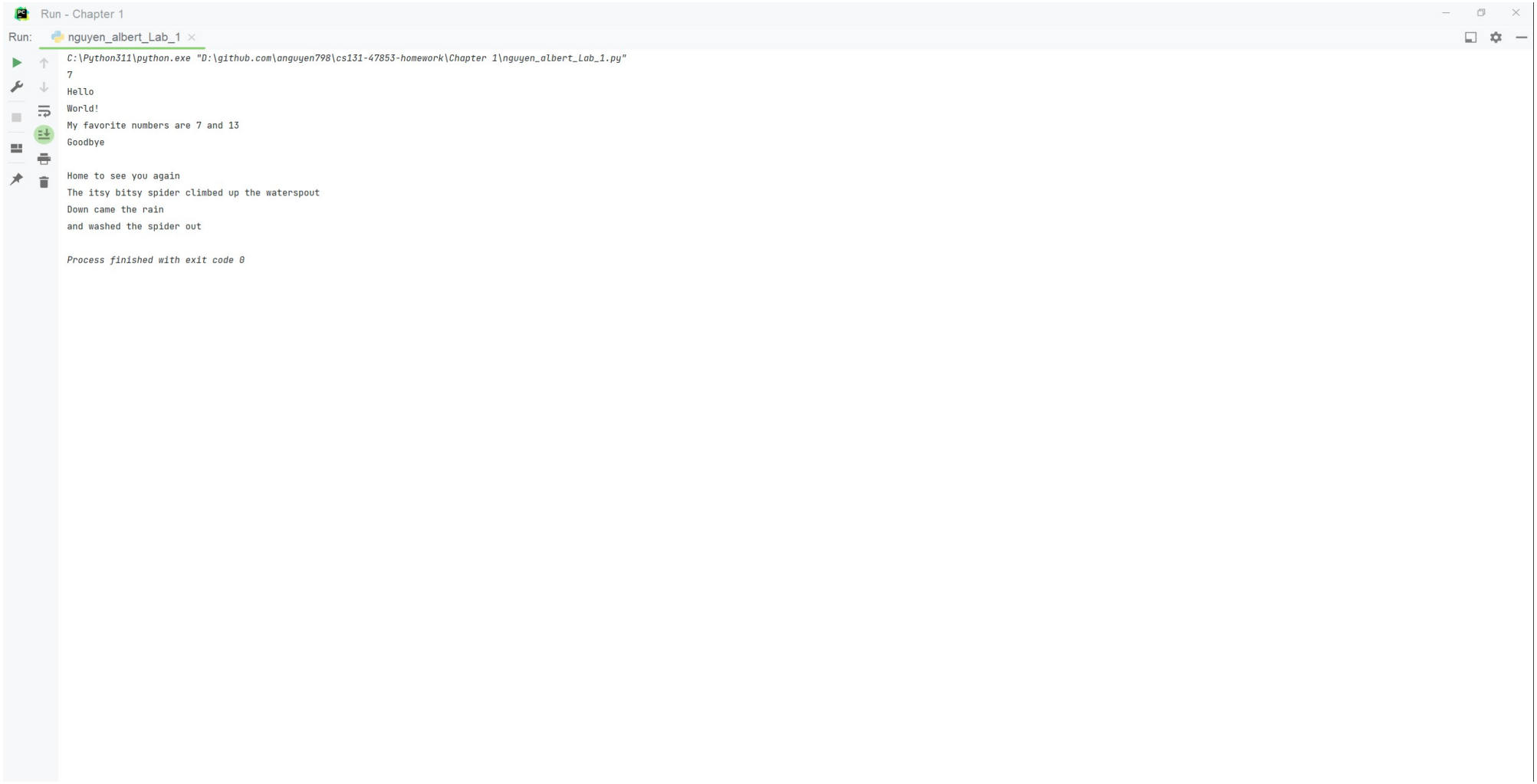

A&B_Consle

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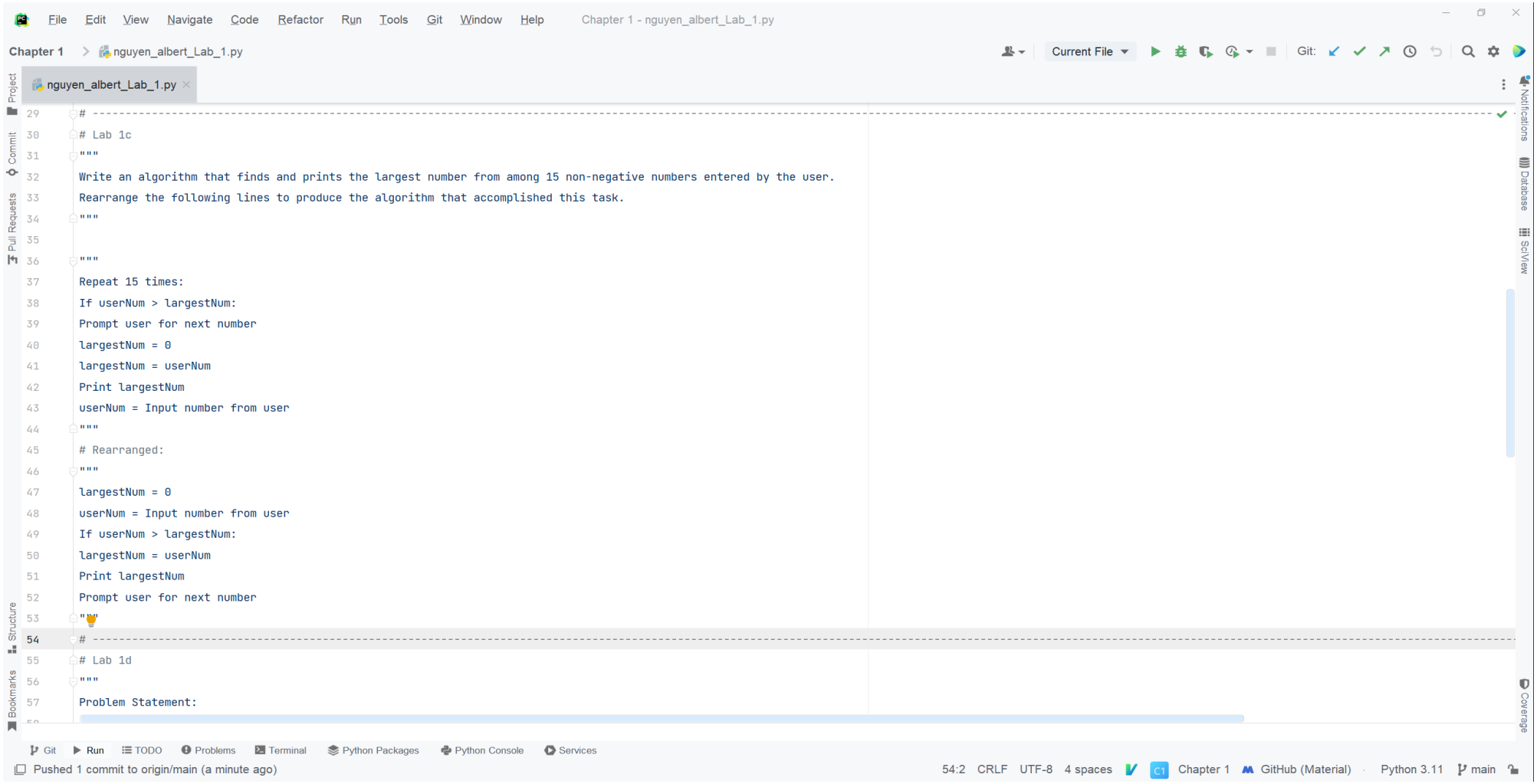

C_Code

C_Code - Rearranging pseudo-code algorithm

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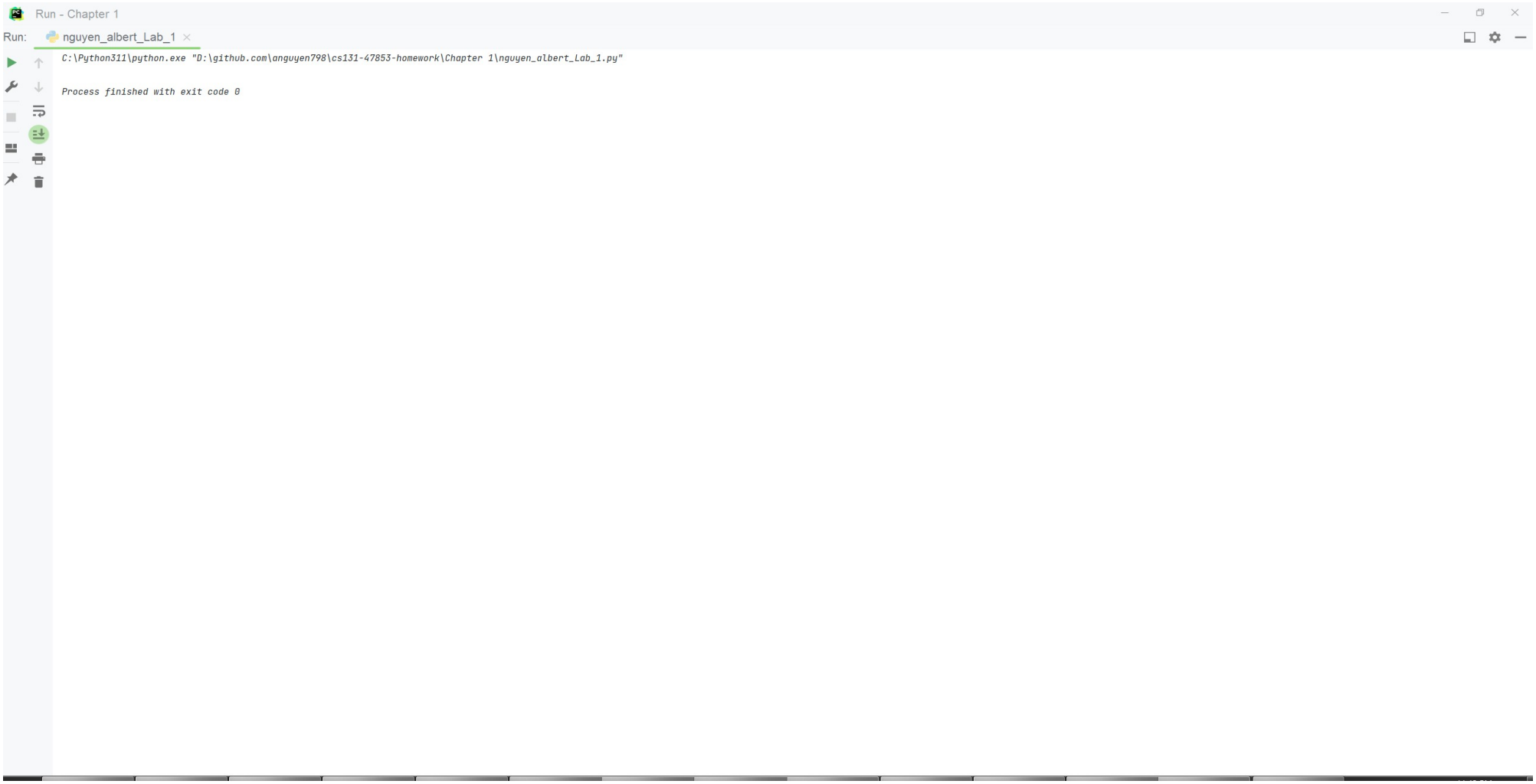

C_Console

C_Console - Rearranging pseudo-code algorithm – no output due to commented pseudo-code

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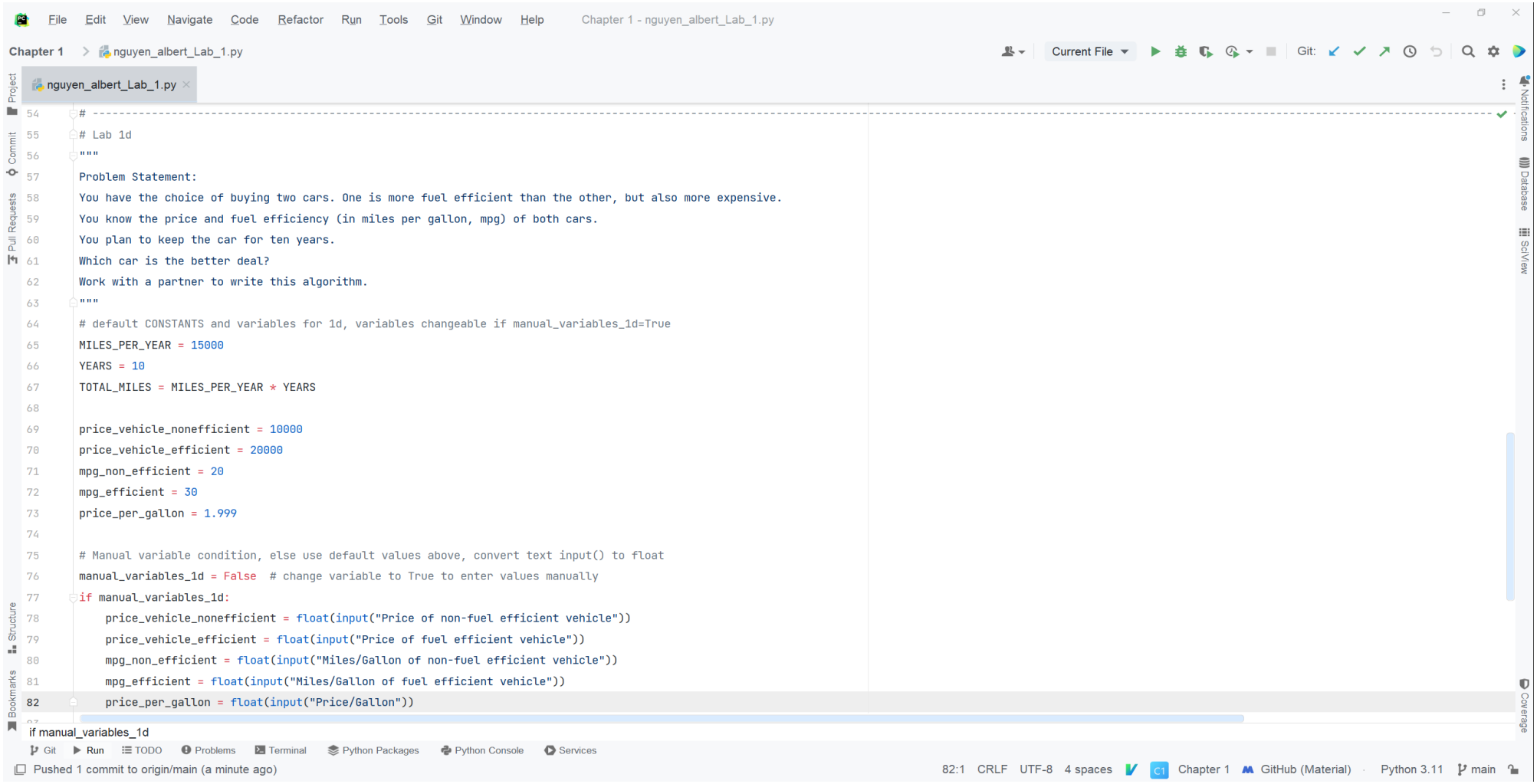

D_Code_p.1

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Chapter 1 Lab – 1a - 1d

```
83
84  # Assign and print price of vehicles
85  priceNotFuelEfficient = price_vehicle_nonefficient + (TOTAL_MILES / mpg_non_efficient) * price_per_gallon
86  priceFuelEfficient = price_vehicle_efficient + (TOTAL_MILES / mpg_efficient) * price_per_gallon
87  # priceNotFuelEfficient = priceFuelEfficient  # Scenario where the prices for vehicles are equal
88  print("The price of a non fuel efficient vehicle is $", f'{priceNotFuelEfficient:,.2f}.')
89  print("The price of a fuel efficient vehicle is $", f'{priceFuelEfficient:,.2f}.')
90
91  # Print which vehicle is better deal
92  if priceNotFuelEfficient > priceFuelEfficient:
93      print("The fuel efficient vehicle is the better deal than the non fuel efficient vehicle.")
94  elif priceNotFuelEfficient < priceFuelEfficient:
95      print("The non fuel efficient vehicle is the better deal than the fuel efficient vehicle.")
96  else:
97      print("The fuel efficient vehicle and non fuel efficient vehicle value are equal at this mpg and purchase price")
98
```


D_Code_p.2

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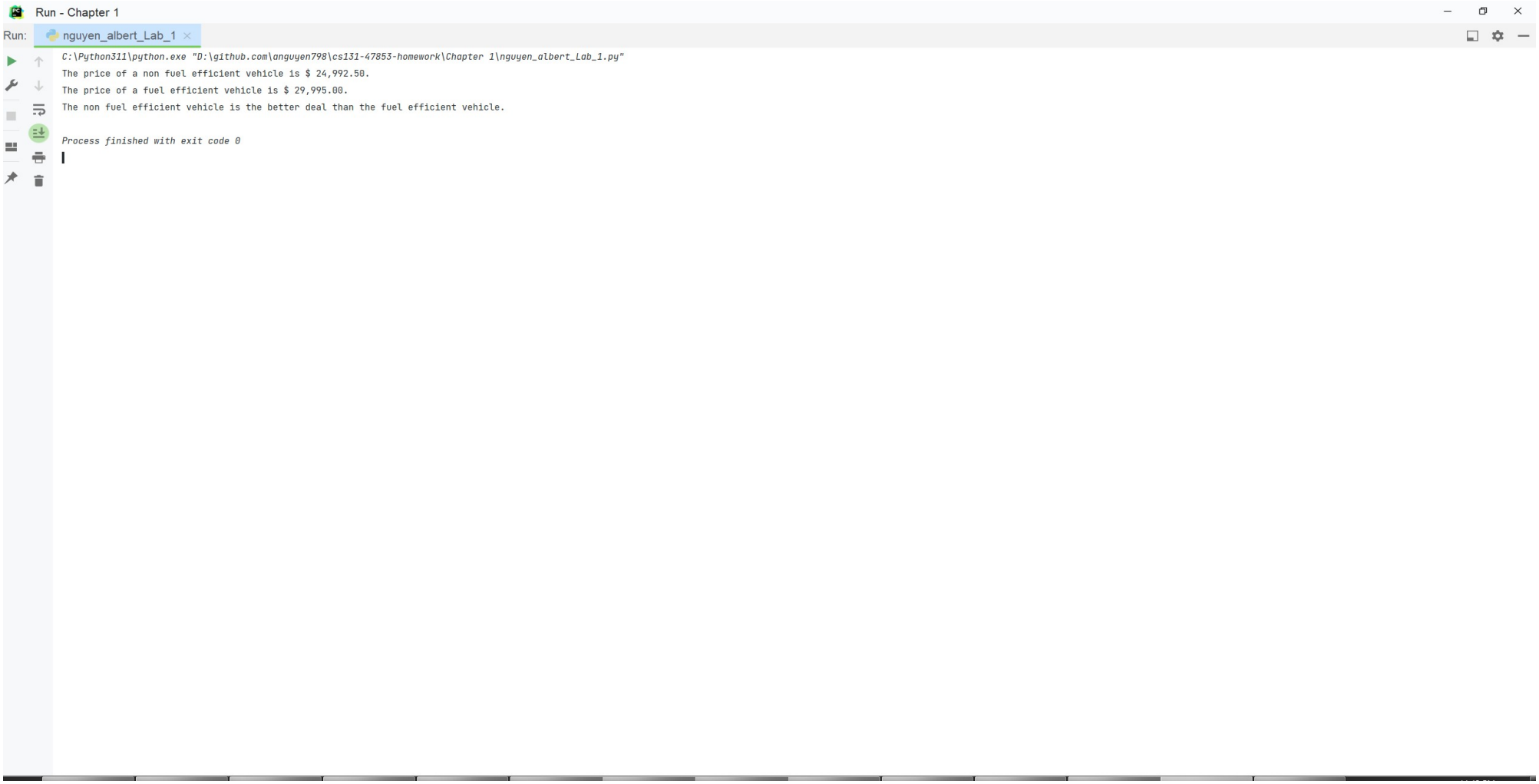
Chapter 1 Lab – 1a - 1d



D_Console1

D_Console1 - Python algorithm for car value – Default values for variables when manual_variables_1d = False

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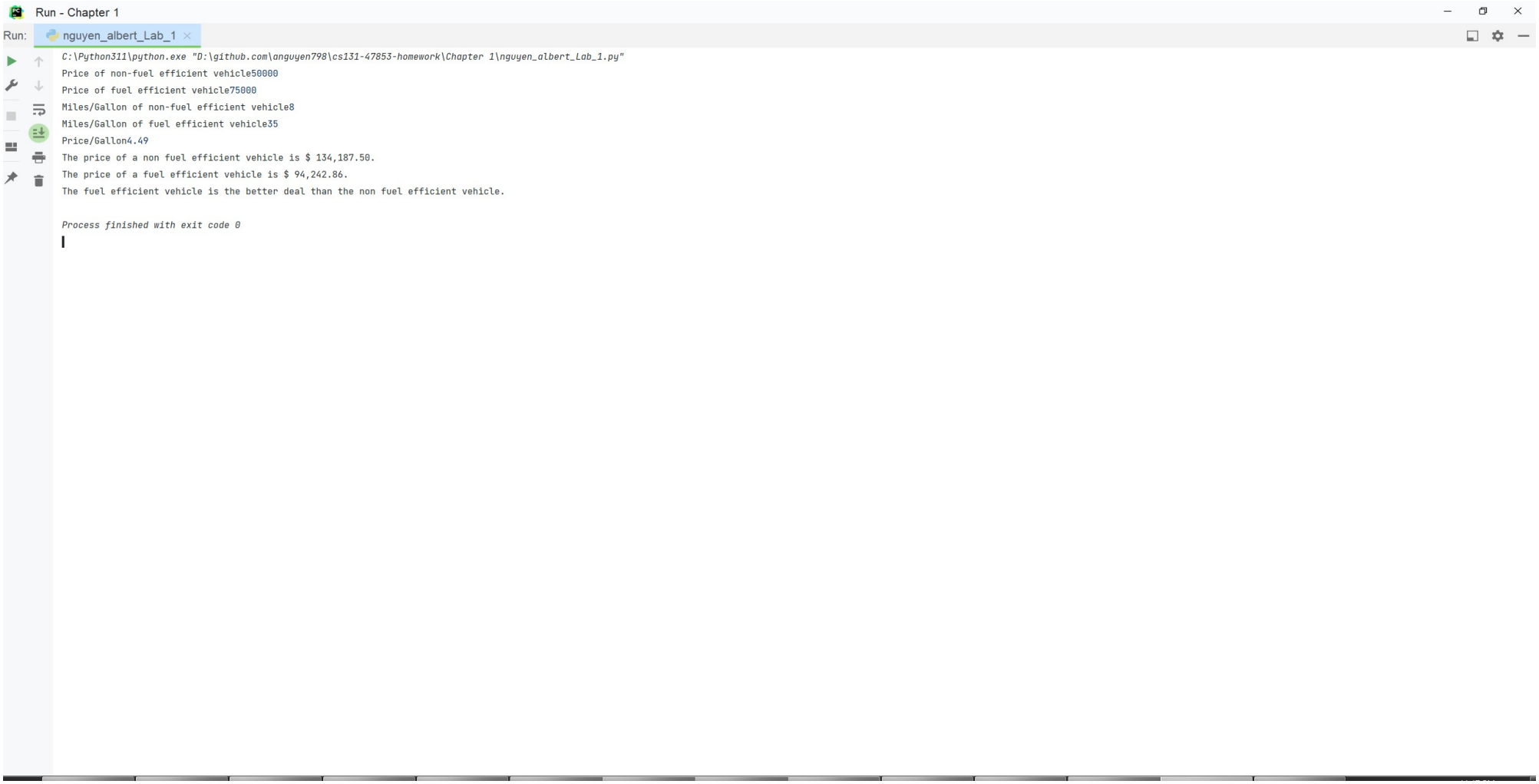
Chapter 1 Lab – 1a - 1d



D_Console2

D_Console2 - Python algorithm for car value – input() values for variables when manual_variables_1d = True