

SWINBURNE UNIVERSITY OF TECHNOLOGY

2021 SEM 1 INTRODUCTION TO PROGRAMMING

DOUBTFIRE SUBMISSION

Debug

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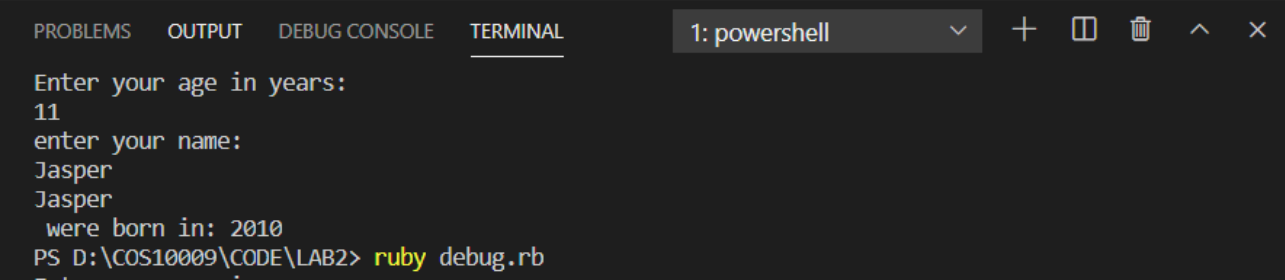
Tutor:

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```
1  # Fix up the following code that it works and produces the expected output
2  # in the task specification.
3  require 'Date'
4  # Asks the user to enter their age and returns an integer age
5  def get_age()
6    puts "Enter your age in years: "
7    age_in_years = gets
8    return age_in_years
9  end
10
11 # takes a prompt and displays it to the user then returns the
12 # entered string
13 def get_string()
14   puts "enter your name: "
15   name = gets
16   return name
17 end
18
19 # Calculate the year born based on the parameter age and print that out
20 # along with the name of the user
21 def print_year_born(name,age)
22   year_born = Date.today.year - age.to_i
23   puts(name+ " were born in: " + year_born.to_s)
24 end
25
26 def main
27   age = get_age()
28   name = get_string()
29   print_year_born(name,age)
30 end
31
32 main
```



A screenshot of a Visual Studio Code terminal window. The terminal has a dark background and shows the output of a Ruby program. The program prompts the user for their age and name, and then calculates the year they were born. The user has entered '11' for age and 'Jasper' for name. The program output shows 'Jasper were born in: 2010'. The terminal title bar indicates it is a PowerShell session. The terminal tabs at the top are 'PROBLEMS', 'OUTPUT', 'DEBUG CONSOLE', and 'TERMINAL'. The terminal content is as follows:

```
Enter your age in years:
11
enter your name:
Jasper
Jasper
were born in: 2010
PS D:\COS10009\CODE\LAB2> ruby debug.rb
```