

SWINBURNE UNIVERSITY OF TECHNOLOGY

2021 SEM 1 INTRODUCTION TO PROGRAMMING

DOUBTFIRE SUBMISSION

Input Functions (Hello User Part 1)

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```
1  require 'date'
2  require './input_functions'
3
4  # Multiply metres by the following to get inches:
5  INCHES = 39.3701
6
7  # Insert into the following your hello_user code
8  # from task 1.3P and modify it to use the functions
9  # in input_functions
10
11 def main()
12
13   # HOW TO USE THE input_functions CODE
14   # Example of how to read strings:
15   puts('What is your name?')
16   name = gets()
17   puts('Your name is ' + name + "!")
18
19
20   puts('What is your family name?')
21   family_name = gets()
22   puts('Your family name is: ' + family_name + ' !')
23
24   puts('What year were you born?')
25   year_born = gets.to_i
26   # Calculate the users age
27   age = Date.today.year - year_born
28   puts('So you are ' + age.to_s + ' years old')
29   puts('Enter your height in metres (i.e as a float): ')
30   value = gets.to_f # Should this be a float or an Integer? Why?
31   value = value * INCHES
32   puts('Your height in inches is: ')
33   puts(value.to_s())
34   #puts("finish")
35   continue = read_boolean('Do you want to continue?')
36   if (continue)
37     puts("ok")
38   else
39     puts("bye")
40   end
41
42 end
43
44
45 main()
```

```
PS D:\COS10009\CODE\LAB2> ruby hello_user_with_functions_incomplete.rb
What is your name?
Que
Your name is Que
!
What is your family name?
Vo
Your family name is: Vo
!
What year were you born?
2000
So you are 21 years old
Enter your height in metres (i.e as a float):
1.6
Your height in inches is:
62.992160000000005
Do you want to continue?
no
bye
PS D:\COS10009\CODE\LAB2> █
```