SWINBURNE UNIVERSITY OF TECHNOLOGY

2021 Sem 1 Introduction to Programming

Doubtfire Submission

Recursive Factorial

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File 1 of 2 code

```
# Recursive Factorial
   # Complete the following
   def factorial(n)
        if n == 1
5
          return 1
6
        else
          return n * factorial(n-1)
          n += 1
        end
10
   end
11
12
   # Add to the following code to prevent errors for ARGV[0] < 1 and ARGV.length < 1
13
   def main
14
      if(ARGV[0].to_i < 1 && ARGV.length.to_i < 1)</pre>
15
        puts("Error Occured, wrong argument")
16
^{17}
        puts factorial(ARGV[0].to_i)
18
     end
19
20
   end
   main
22
```

File 2 of 2 screen shot