Unit 1 Exam-Program

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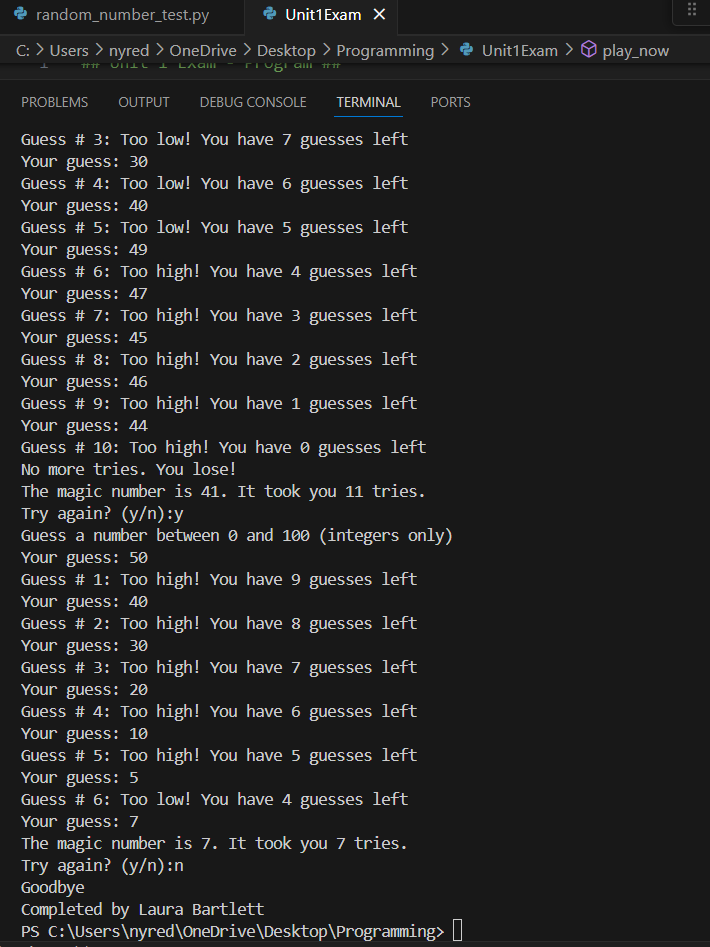
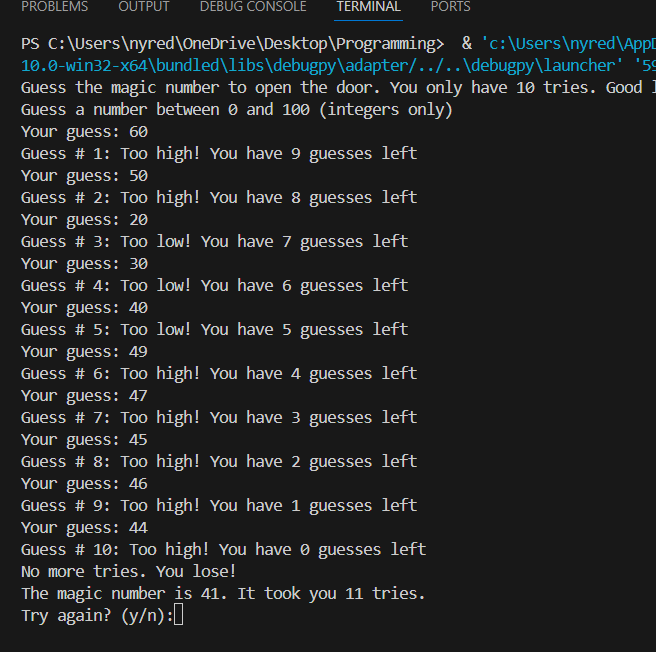
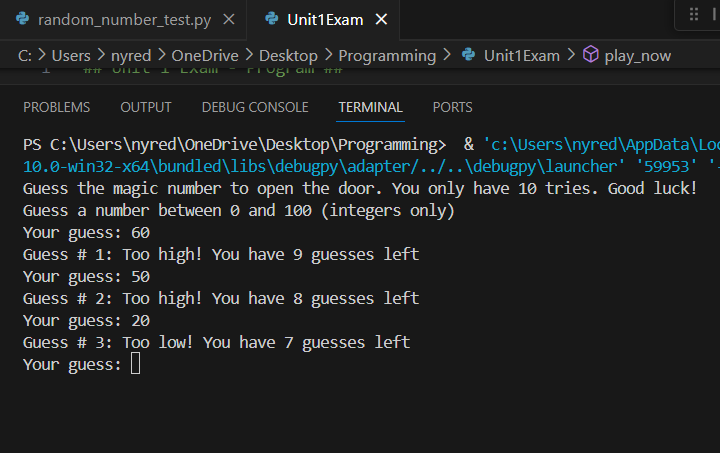
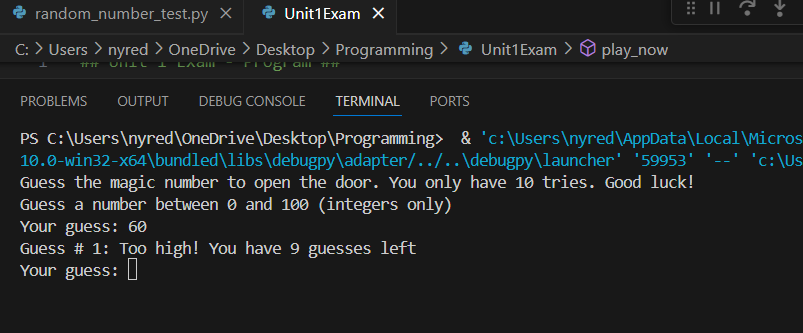
Source Code:



Screenshots from running the program:

A screen shot of a computer program

Description automatically generated



Pseudo-Code:

**Start**

* Define play\_game function
  + Get input from user: “Guess a number between 0 and 100”
  + If the input is lower than the magic number:
    - Print: too low, try again, what try the user is on and how many they have left
  + If the input is higher than the magic number
    - Print: too high, what try the user is on and how many they have left
  + If the input is over 100
    - Print “input invalid, try again” and does not count as a try
  + If the user guesses wrong 10 times
    - Print: No more tries
    - Break
  + If the user guesses the magic number
    - Print “the magic number is \_\_\_\_. It took you \_\_\_ tries”
* Define game as magic\_number
  + Intro to game/rules
  + After game is completed
    - Input from user : “try again? y/n”
    - If user enters “y”
      * Run play\_game function
    - If user does not enter “y”
      * Print goodbye

**END**