

1. Display available menu options to the user.
2. Prompt the user to enter one of the available options.
3. Was one of the available options picked?
4. If no repeat steps 1 to 3.
5. Otherwise, if option 1, prompt the user to enter a positive integer.
6. Was a positive integer entered?
7. If no, repeat step 5.
8. Otherwise, generate a Fibonacci Sequence up to that number.
9. Return to step 1.
10. If option 2, prompt the user to enter a positive integer.
11. Was a positive integer entered?
12. If no, repeat step 10.
13. Otherwise, display the nth number in the Fibonacci Sequence based on the integer provided.
14. Return to step 1.
15. If option 3, prompt the user to enter a positive integer.
16. Was a positive integer entered?
17. If no, repeat step 15.
18. Otherwise, check if that integer is a Fibonacci number.
19. Display the result to the user.
20. Return to step 1.
21. If option 4, end the program.