

Copilot

Sure, here are 50 practice questions related to decision control instructions in Python:

1. Write a Python program to check **if** a number **is** positive, negative **or** zero.
2. Write a Python program to check **if** a number **is** even **or** odd.
3. Write a Python program to check **if** a year **is** a leap year **or not**.
4. Write a Python program to check **if** a number **is** a prime number.
5. Write a Python program to check **if** a string **is** a palindrome.
6. Write a Python program to check **if** a number **is** a perfect square.
7. Write a Python program to check **if** a number **is** divisible by another number.
8. Write a Python program to check **if** a character **is** a vowel **or** consonant.
9. Write a Python program to check **if** a number **is** a multiple of 5.
10. Write a Python program to check **if** a number **is** a Fibonacci number.
11. Write a Python program to check **if** a number **is** an Armstrong number.
12. Write a Python program to check **if** a number **is** a factorial of another number.
13. Write a Python program to check **if** a number **is** a power of 2.
14. Write a Python program to check **if** a number **is** a power of 3.
15. Write a Python program to check **if** a number **is** a power of 10.
16. Write a Python program to check **if** a number **is** a perfect number.
17. Write a Python program to check **if** a number **is** a Harshad number.
18. Write a Python program to check **if** a number **is** a Happy number.
19. Write a Python program to check **if** a number **is** a Pronic number.
20. Write a Python program to check **if** a number **is** a Disarium number.
21. Write a Python program to check **if** a number **is** a Neon number.
22. Write a Python program to check **if** a number **is** a Dudeney number.
23. Write a Python program to check **if** a number **is** a Keith number.
24. Write a Python program to check **if** a number **is** a Kaprekar number.
25. Write a Python program to check **if** a number **is** a Carmichael number.
26. Write a Python program to check **if** a number **is** a Mersenne Prime number.
27. Write a Python program to check **if** a number **is** a Fermat number.
28. Write a Python program to check **if** a number **is** a Bell number.
29. Write a Python program to check **if** a number **is** a Lucas number.
30. Write a Python program to check **if** a number **is** a Catalan number.
31. Write a Python program to check **if** a number **is** a Tribonacci number.
32. Write a Python program to check **if** a number **is** a Tetranacci number.
33. Write a Python program to check **if** a number **is** a Padovan number.
34. Write a Python program to check **if** a number **is** a Jacobsthal number.
35. Write a Python program to check **if** a number **is** a Pell number.
36. Write a Python program to check **if** a number **is** a Perrin number.
37. Write a Python program to check **if** a number **is** a Narayana number.
38. Write a Python program to check **if** a number **is** a Motzkin number.
39. Write a Python program to check **if** a number **is** a Newman-Conway number.
40. Write a Python program to check **if** a number **is** a Look-**and**-say sequence.
41. Write a Python program to check **if** a number **is** a Recaman's sequence.
42. Write a Python program to check **if** a number **is** a Sylvester's sequence.
43. Write a Python program to check **if** a number **is** a Vieta's sequence.
44. Write a Python program to check **if** a number **is** a Stern's sequence.
45. Write a Python program to check **if** a number **is** a Hofstadter's sequence.
46. Write a Python program to check **if** a number **is** a Golomb's sequence.
47. Write a Python program to check **if** a number **is** a Van Eck's sequence.
48. Write a Python program to check **if** a number **is** a Kolakoski sequence.
49. Write a Python program to check **if** a number **is** a Thue-Morse sequence.
50. Write a Python program to check **if** a number **is** a Baum-Sweet sequence.

Remember, these are just the questions. You'll need to write the Python code to solve them. Happy coding! 😊