Control Flow Statements in Python - Questions

1. What is a control flow statement in Python?

2. Explain the if statement with an example.

3. What is the difference between if and elif statements?

4. How does the else statement work in Python?

5. Write a Python program to check if a number is positive, negative, or zero using if-elif-else statements.

6. Explain the use of nested if statements with an example.

7. What are the logical operators used in control flow statements? Give examples.

8. Write a Python program to find the largest of three numbers using if-elif-else statements.

9. How can you use the pass statement in an if statement? Provide an example.

10. Describe how the ternary operator can be used for conditional assignments.

11. Write a Python program to check if a given year is a leap year using if-else statements.

12. How does the while loop work in Python? Provide an example.

13. Explain the use of the break statement in loops with an example.

14. Write a Python program to print the first 10 natural numbers using a while loop.

15. Describe the difference between break and continue statements with examples.