Advantages of conditional statements in python compared to c

1. **Simplified Syntax**: Python uses indentation instead of braces {}, making the code more readable.
2. **Easier Boolean Operations**: Python uses and, or, and not, which are more intuitive than C’s &&, ||, and !.

Disadvantages of conditional statements in python compared to c

1. **Type Checking at Runtime:** Python's dynamic typing can lead to unexpected runtime errors if the types of operands in conditional expressions are incompatible. C's static typing helps catch such errors during compilation.
2. **Fewer Conditional Constructs:** Python's conditional syntax is more limited than C's. For example, C provides the switch statement for efficient multi-way branching based on integer values, which can be more performant in certain cases.
3. **Dynamic Typing:** Python's dynamic typing can lead to slight performance overhead during conditional checks compared to C's static typing. In performance-critical applications, this difference might become noticeable.m