Quiz #1 Exercise

- (Exercise 14 on page 130)
What are the arguments both for and against the idea of a typeless language?

答案:

Arguments for the idea:

Flexibility, Brevity of syntax. It places stricter controls on what objects can receive and send, so making it easier to enforce design strategies throughout the application. When there are errors in types, there can be picked up during precompilation or in the IDE.

Arguments against the idea:

Without type checking, there is no means to verify the integrity of the data without executing the application. The syntax of typed languages can be viewed as overly long or verbose. Typed languages aren't as flexible as untyped languages, as data structures need to be cast to the correct type before another object can receive them. It is also said that by using typed languages, the compiler spends less time dynamically typing objects and so executes faster. However, this point is a grey area and that the main area of argument is how these language differences play out when designing applications where more then a few people are working on the code.