

S.n	Static Typing	Dynamic Typing
1	Data types are checked at compile-time	Data types are checked at runtime
2	Requires explicit declaration of data types	Does not require explicit declaration of data types
3	Provides better performance due to early error checking	Provides more flexibility and faster development due to no need for explicit type declarations
4	Helps catch type errors at compile-time	May allow type errors to go unnoticed until runtime
5	Commonly used in languages such as C and Java	Commonly used in languages such as Python, JavaScript, and Ruby
6	Can result in code that is harder to maintain and update, as changes to the code may require type declarations to be updated	Can result in code that is easier to maintain and update, as changes to the code do not require type declarations to be updated