**10.** This question has two possible interpretations. I prefer to look at the most popular languages ​​at the moment, not historically. My list ​​based on the **TIOBE Programming Community Index**, which is an indicator of the popularity of programming languages. The index is updated monthly. The October 2013 top 10 looks like this (I've added a column with the basic comparable criteria about each language - paradigm):

|  |  |  |
| --- | --- | --- |
| Position | Programming Language | Paradigm |
|  | C | imperative (procedural), structured |
|  | Java | imperative, structured, object-oriented, generic, reflective |
|  | Objective-C | object-oriented, class-based, reflective |
|  | C++ | procedural, functional, object-oriented, generic |
|  | PHP | imperative, procedural, functional, object-oriented, reflective |
|  | C# | imperative, functional, object-oriented, event-driven, generic, reflective |
|  | (Visual)Basic | object-based, event-driven |
|  | Python | imperative, procedural, functional, object-oriented, reflective |
|  | Transact-SQL | procedural |
|  | JavaScript | imperative, functional, object-oriented (prototype-based) |

It can be concluded that C # is a language combining features of many other languages​​, which makes it extremely powerful.

**11. C#** is an object-oriented high-level programming language for applications that run on **.NET Framework.**

**.NET Framework** - the most common version of the .NET Platform

* is environment for execution of .NET Programs
* includes powerful library of classes
* is a common execution engine for many programming languages (including C#)