

# Programming Homework Help

## Mobile applications

The choice of languages for this direction of development (we are talking about portable devices) is, in principle, quite obvious.

In the ranking of programming languages for development for mobile devices, I will prioritize the programming language Kotlin.

It is worth noting that, just last year, some programmers were "drowning" for this language, but now the situation has managed to radically change the vector of movement. Accordingly, there is no longer any doubt about Kotlin.

Instead, a dilemma often arises, what to choose — Java or Kotlin. In this, the opinions of various programmers boil down to the same statement that, in general, Kotlin is no better than Java. However, it is much better when it comes to developing specifically for Android.

On the other hand, very few people are looking for Kotlin programmers in today's labor market. But for some reason, I am sure that the situation may change soon, and vacancies will appear more and more often, in which employers will require specialists to know only Kotlin.

But now we still see such a picture that the lion's share of employers are interested in finding universal developers. That is, those who are equally well versed in both Java and Kotlin.

However, in fact, if we remember that Android development is primarily an Art and Dalvik execution environment, then it is necessary to admit that it is impossible to know Kotlin and at the same time not know Java. Therefore, it makes sense to first master Java, and then smoothly switch to Kotlin.

Well, if your goal is not [Android](#), but [Apple](#) technology with their divine iOS operating system, then the choice is also, so to speak, on the surface and very obvious. This is the Swift programming language.

Although I am more than sure that there is still an old guard who will "drown" for good old Objective C.

Therefore, the choice here is based, as you can see, not on the programming language itself, but rather on the definition of the target platform.

And this is me to the point that it is useless to try to find a single universal solution or a single universal programming language in which you will develop an application for both Android and iOS.

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This possibility, of course, exists, but it is worth remembering that cross-platform development for mobile devices will never replace native solutions.

In other cases, programming for mobile phones is still a very popular field, so I think it's not too late to get involved in this direction. Especially if you take into account that the percentage of phone use is constantly increasing every day.

## Desktop

Well, I finally got to the development of software for desktops. Moreover, regardless of the operating system, be it Windows, Linux, or MacOS.

And I would say that 2020 and the following years are preparing two major improvements in this area.

First, the C++ 20 standard will appear.

And secondly, MacOS developers plan to combine .NET Core and .NET Framework in one branch along with features like WPF.

If the first news about C++ is, so to speak, okay, cool, then in the case of C#, if they do it, it will mean an absolutely insane increase in the popularity of the programming language. And this is not to mention that .NET Core itself is a very powerful and cool thing.

In general, I like to say that when you want to write desktop software, choose C#. Elementary, because for the most popular operating system in the world, which is undoubtedly Windows today, a better programming language simply cannot be found, because it is not only convenient and efficient, but also the syntax of the language itself, I would boldly call it "sweet" 😊. Writing code on a Sharp is a pleasure.

And, of course, personally, I am very pleased to observe what trends are happening in the world of programming.

Fresher and more understandable programming languages are increasingly relegated to the back yards of such mammoths as Java. And the programming process itself becomes an easier, and therefore more accessible sphere for the masses.

And although most programmers and coders don't particularly like it, it's time to slowly start accepting the fact that programming is no longer such a limited, closed and super-complicated field in which only a few people work.

## Resume

Nowadays, absolutely anyone can become a programmer, and this is actually very good. At least personally, it makes me very happy because, as they say, everyone should be able to program.

And at the end of my trilogy of trends in programming, I would like to share my thoughts and wishes with the reader.

Of course, in 2020, I would like to see even more growth in popularity and demand for the [Python programming help in language](#), and for PHP help to show that it is still a serious programming language and that it is too early to be dismissed.

Definitely want to continue to watch the development of JavaScript, especially things like ElectronJS. Because I personally think that the developers of this product have managed to improve their platform a lot lately. Let's hope that they will continue to do so.

And, of course, I want to believe that C# will not slow down and the growth of this programming language will continue and goodwill towards other platforms will increase. Because Winda is to