



DEVELOPMENT OF MOBILE APPLICATIONS

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ANNOTATION

This article explains in detail how to create android applications and what is required for it, how to work in java programming language, how to write programs in android studio program.

Keywords: *Programming, android, users, IOS, professional, developers, electronic devices.*

INTRODUCTION

Mobile devices have a special place in our lives today. Every user uses a smartphone or tablet for entertainment and business tasks. That's why we focus on one of the fastest growing activities in order to attract more users and conquer new markets. Mobile apps can help achieve great popularity among customers. Today, the development of mobile applications on platforms such as iOS and Android is becoming a tradition. Our team of professional programmers will help you to develop different applications, regardless of the level of complexity.



Android: Mobile apps on the Android platform allow you to connect with a large audience of mobile users. So you have to pay a lot of attention to this platform.

IOS: Developing mobile apps on the iOS platform is important. Because usually the users of such a device are high-income people, there are great advantages to having such customers.

Hybrid apps: Hybrid mobile apps are a popular type of app. Developing this type of software is relatively quick and inexpensive. Because the program is based on universal technology and it works on all platforms.

Beginners or those interested in this field are interested in which direction to choose and what its near future is. Of course, the chosen direction should be beneficial to society, have a future and, most importantly, lead to high income.

It is well known that today almost all of the world's population owns mobile devices. Most of these devices run on the Android operating system. According to statistics, more than 80% of smart devices run on Android. The Android system is wide-ranging, programmer-friendly, free, and of course open source.



ANDROID OPERATING SYSTEM

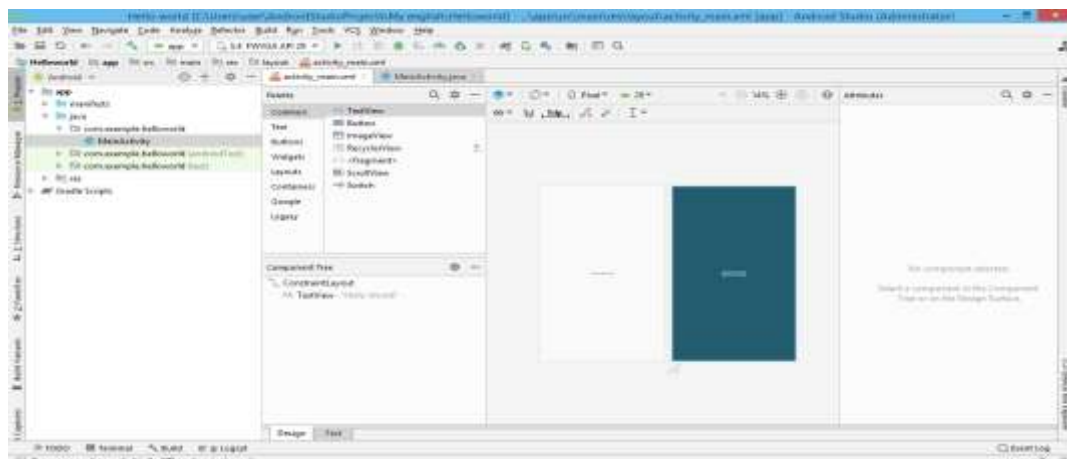
Created in the Linux kernel, it is a portable (system) operating system that runs on communicators, tablets, e-books, digital players, watches, notebooks, smart books, and smartphones. Android Inc. acquired by Google. created by the company. Google later formed the Open Handset Alliance (OHA) to develop the system. You can create Java applications using Android. In the third quarter of 2012, 75% of smartphones sold had the Android operating system. To date, more than 50 billion android apps have been registered. This shows the large number of devices running on the Android system and the high demand for apps for them. The average annual salary for android programmers in all USA cities ranges from \$ 68,000 to \$ 82,000. In Uzbekistan, you can earn \$ 500- \$ 2,000 a month and more, depending on your experience writing programs for others [3].

According to statistics, the number of programmers in Uzbekistan is less than 0.3% of the population, in about 3,000. A much lower figure to meet the needs of android applications in Uzbekistan. The ease of programming and unlimited capabilities on the Android system are the reasons for the popularity of this system.

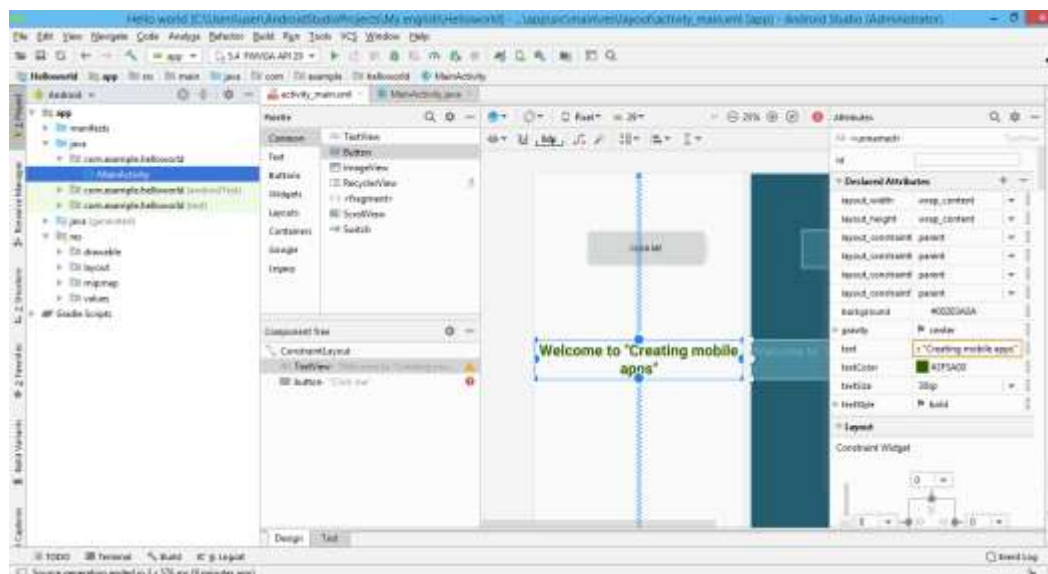
You don't have to work in information technology to learn programming. Anyone can learn it, whether you are a lawyer, an economist, a teacher or any other profession. It's not as difficult as you might think, and it's not as complicated a process. Only if you know the right way of thinking, the right approach, just like in life. In general, if you have logic and a high interest in this area.



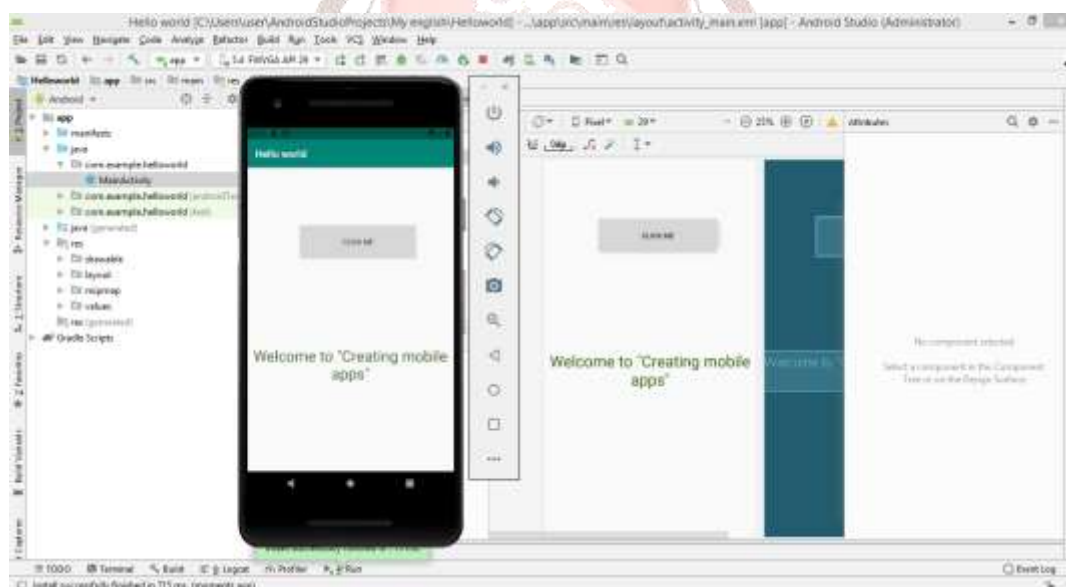
Create a Hello world app in the Android studio app. To do this, the computer must have additional software JDK and JRE installed. Because we write and compile java code using these programs [1, 4].



As you can see above, the window that appears when you launch the android studio app. The main work of the program is carried out here. On the left is the Project Files, then the Components window, in the center is the application view on the phone, and on the right is the Object Properties window [2, 5].



Let's run the program. To do this, click on the **play** button above (we can see it through the start android app) [6, 7].



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