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How to install android studio sdk on windows 10. How to use android studio in windows 10. How to install android studio windows.

Android Studio is one of the best programs for Android app development. It offers a plethora of features and integrated tools for creating professional Android apps. The program includes a feature-rich Android emulator, testing tools, and a consistent development environment. In addition, it also features an intelligent code editor that provides you with advanced code suggestions. Due to many configuration steps, Android Studio may be challenging to set up if you're a novice developer. Here, we show how to install Android Studio on Windows and create a sample application. How to Download and Install the Java JDK Before installing Android Studio, you first need to install the Java JDK and set up the Java environment to start working on it. The Java Development Kit (JDK) is a required development package for creating Java-based applications. Additionally, it also includes tools for developers for testing Java-coded applications. Follow these steps to get the latest version of Java JDK for Windows and set it up: Go to the official Oracle Java Downloads page. Choose the most recent version of Java JDK and download the x64 MSI Installer under the Windows tab. Open the file you've just downloaded from the Downloads folder. Follow the on-screen instructions to install the latest Java JDK. Now that you've successfully installed JDK, you need to set up a Java environment so that Android Studio can easily find the location of Java on your desktop. Setting Up the Java Environment Here are the steps you've to perform for setting up the Java environment: Open Windows search and type "Edit environment variables." Hit the Enter key to open the Environment Variables window. Now, under the System variables section, click Path > Edit > New Copy the path of the folder where the JDK binaries are installed. For example, in our case, the path is C:\Program Files\Java\jdk-18.0.1\bin Switch to the Environment variables window and paste the path you've copied and save the changes. Next, under the User Variables section, click New. Add PATH_HOME in the variable name box and C:\Program Files\Java\jdk-18.0.1.1 in the variable value box. Finally, save the changes by clicking OK. Don't forget to replace the JDK version with the version you're currently using. In our case, we've used the jdk-18.0.1.1 version. In general, you do not need to reconfigure any environment variables if you have already done so. But if it's your first time, setting the variables will help you reduce Java-based errors during compilation. How to Install Android Studio on Windows Follow these steps to download and install Android Studio for Windows: Visit the Android Developers website and click on Download Android Studio. Now, open the downloaded file to install Android Studio. Click Next to continue installing Android Studio. Further, click Install and wait while Android Studio is being installed on your PC. Once done, click Finish to close the installer and start Android Studio. Android Studio will now ask you to import settings. Click OK to continue to set up Android Studio. You should use SSD storage when working with Android Studio to get better performance and faster processing. Moreover, if you want to know more about the reasons, we've already explained why SSDs are better than HDDs. If the installer crashes or closes with a random error code, the chances are that your PC doesn't meet the minimum system requirements. For this, you must check the below-mentioned requirements once. The System Requirements for Android Studio on Windows Your PC must meet the following requirements to run Android Studio efficiently: 64-bit Microsoft Windows OS 8/10/11. 1280 x 800 minimum screen resolution. x86_64 CPU architecture; 2nd generation Intel Core or newer; or AMD CPU with Hypervisor support. 8GB of RAM or more. 12GB of available disc space is required (IDE + Android SDK + Android Emulator). If you're not sure about your PC's specifications, do check out our guide on how to check a PC's hardware specs. If your PC is too old or fails to meet the above requirements, you won't be able to install the program properly. And so, it'll be a waste of time for you to continue any further with the steps. How to Set Up Android Studio on Windows While you've installed Android Studio on your Windows PC, to create a new project you'll have to configure the Setup Wizard. The Setup Wizard will help you create a development environment for your future projects. Follow these steps to set up Android Studio: In the Setup Wizard window, select the Standard option to apply the recommended settings and click Next. Next, select a theme you want and click Next again to verify the settings you've configured. On the following screen, select Accept and click Finish to apply the changes. Wait till the Setup Wizard downloads some required files. It may take somewhere around 15 to 30 minutes, depending on your network speed. Once the download is completed, click Finish to complete the setup process. If it gets stuck while downloading, it's because of either high CPU usage or interruption in downloading. This is why you must close all the programs that may consume the internet or are still running in the background. To fix this issue, we recommend you read our article on how to fix the high CPU usage issue in Windows. In addition, if you're facing slow downloading issues—have a look at some effective ways to check for internet throttling in Windows. How to Create a New Test Project in Android Studio Now, that you've set up and configured Android Studio, follow these steps to run a test project from scratch: Open Android Studio and click New Project. Select the Basic Activity option and click Next to proceed further. On the next screen, type in a name for your app, and select the language (for example, Java). Next, select the Minimum SDK for your app. The Minimum SDK defines the minimum Android version needed to run your test app. Once done, click Finish to generate a new test project. Finally, click Allow access on the next screen to allow ADB to access your public network. That's it. Now, you can make changes to your test project and build your Android app. The first test project takes around 10-15 minutes to

load all the files and sync the project using Gradle (a build automation tool). Once it is done, you can interact with your app's project structure and view different activities in Android Studio. After making the changes to your project, you have many different options to run your test app: Device Manager: You can create a new emulator from the device manager and run your app on it. However, the emulator consumes a large number of resources, so we don't recommend using this option if you're using a low-end PC. Pair Devices Using Wi-Fi: You can also run the test app on your Android smartphone. The only condition here is that your smartphone and your PC should be connected to the same Wi-Fi network. ADB Connection: Lastly, you can use a USB cable and turn on USB Debugging on your phone to run your app via an ADB connection. App Development Made Easy With Android Studio Without a doubt, Android Studio is a robust app development software. The best part is that you are not limited to Android apps only. With Android Studio, you can create apps for tablets, watch faces for Wear OS, and even apps for your Android TV. Furthermore, Android apps are developed in Java (or Kotlin) and rely on XML. So, if you're just getting started with app development, you should enroll in some app development courses. How to install android studio on windows 10? Google-supported Android Studio is the official Integrated Development Environment (IDE) for creating Android apps. On May 7, 2019, Kotlin superseded Java as the preferred language for creating Android apps. However, Java is still utilized to create Android apps. The features of Android Studio 3.6.1 are as follows. Support for Gradle-based builds.In the layout editor, drag and drop functions can be used to create UI components.Wizards based on templates can produce common Android designs and components.Built-in Google Cloud Platform support enables connection with Google App Engine and Firebase Cloud Messaging (formerly known as Google Cloud Messaging).Lint tools to identify issues with usefulness, performance, version compatibility, and other factors. This tutorial will walk you through the system requirements and different download and installation procedures. The following conditions must be met before downloading and installing Android Studio. Version of the operating system: Windows 7/8/10 (32-bit or 64-bit).Minimum RAM requirements are 4 GB, with 8 GB RAM being preferred.Minimum 2 GB and 4 GB of free disc space are suggested.Java Development Kit, version JDK, as a minimum (JDK) 8. 1280 * 800 is the minimum screen resolution. How to Install Android Studio on Windows 10 Step 1: Visit the official Android Studio website in your web browser to download the software.Step 2: Select "Download Android Studio" from the menu.Step 3: Double-click the "Android Studio-ide.exe" file that was downloaded.Step 4: Click "Next" to continue after seeing "Android Studio Setup" on the screen.Step 5: The fifth step is to choose the components you wish to install and press the "Next" button.Step 6: Select "Next" to move on and then navigate to the spot where you wish to install the Android Studio.Step 7: To continue, click the "Install" button after selecting a start menu folder for the "Android Studio" shortcut.Step 8: After the installation has been completed successfully, click the "Next" option.Step 9: To continue, click the "Finish" button. The welcome screen for your Android studio will now show up on the screen. Step 1: The welcome wizard's screen will display "Android Studio Setup Wizard." Select "Next" by clicking.Step 2: If you are a beginner and have no prior knowledge of Android Studio, choose (check) the "Standard" option. The most popular settings and options will be installed for you. To continue, click "Next."Step 3: At this point, choose the user interface theme of your choice. (The developers' favourite theme, "Dark" or "Dracula," is one that I prefer.) Next, select "Next" from the menu.Step 4: At this point, click the "Finish" button to download all of the SDK components. The components will then begin to download and install.Step 5: Press the "Finish" button after downloading all the required components. Congratulations! Your copy of Android Studio has now been successfully installed on your computer, and you can begin working on a new project. Conclusion You can download and install Android Studio in Windows 10 by carrying out the aforementioned procedures. People May Ask Q- Can Android Studio be installed on a laptop? A- Double-click to run any.exe files you downloaded (recommended). If a.zip file was downloaded, unzip it, copy the android-studio folder into your Program Files folder, enter the android-studio > bin folder, and then run studio64.exe (for 64-bit computers) or studio.exe (for 32-bit machines). Q- Can Windows 10 Home run Android Studio? A- On Windows 10 Home, Android Studio Emulator is operational. Q- Is 4GB of Android Studio enough? A- Android Studio requires 4GB of RAM as a minimum to operate. For operating systems like Windows, Linux, Chrome OS, and others, 8GB of RAM is also advised. Q- Can Android Studio run on Windows? A- Mac, Linux, and Windows will all function similarly (as long as everything within the systems are the same). When choosing a machine, I would recommend a Mac because you won't be constrained. Only Macs can create iOS apps; however, any platform can create Android apps. Q- Is Android Studio software open source? A- It costs nothing to download and use the Android Studio IDE. Its robust UI development environment and template library serve as a springboard for budding Android developers. Related Searches Android studio download for windowsinstall android studioAndroid studio downloadInstall androidHow to install android studioAndroid studio installInstall android studio windowsinstall android studio windows 10Android Studio free download for windows 10

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