

## All you have to execute to design the perfect quality program

To create the modern program properly and then check it and find all the errors, that were done during the action of programming, programmer utilities should be used. That term is commonly used to distinguish that type of software from application oriented and system programs. One of the most important phases of creating the new program is creating the installation system for this product. Just a few years ago there were no problems with the installation. It could work rightly after it was copied to any directory of the HDD. MS-DOS didn't demand any additional actions. The program couldn't be operate rightly only if it wasn't supported by the hardware. To reach the success in designing the programs any programmer has to use special installation tools. That is truly necessary today. It is utilized to install all the possible kinds of files, such as applications, drivers, etc.. Different installers are created for installing the files included inside of it, others are considered to be universal and they work reading the substance of the pack of the programming software, that needs the installation. Using the Windows OS any operator can carry out the action of installation easily, even if he is not an advanced user. In general, the product is the pack of definite commands for the PC that have to be performed in the given time and sequence.

Modern programs are very large so they can't be included into the single file. That's why there is a complexion how to create the proper access system for all the files that belong to that program. The program can utilize hundreds or even thousands of files that can't be placed on one information carrier. So, any software can't do without special additional installation software. Installing the software that is compatible with Window OS you don't have to fulfill any acts to adjust it. The essential data about the hardware performances will be automatically gained by the installer. The definitive stage of designing any new software is debugging, that assists to detect, restrict and correct all the mistakes. Debug utils is the class of software which is utilized for these objectives. Only performing the step execution of the program all the errors can be found. Operation by operation, function by function the program is run and it is halted when reaching definite line of the initial code or if the definite condition is reached. All the values of constants are shown for the operator in the debug mode. Debugging is quite complicated and exhausting action. The process of debugging is simpler if the program was designed using such programming language as Java which comprises the special tool named exception handling. Origins of the problems will be simply searched out if the programmer utilizes such software. Different problems can't be searched out even if the step by step test running has been executed carefully. Some of them are damage of the memory or the memory ooze. These complexities can be searched out only by means of using some additional debugging programs.

## About the Author

Katherine Gillard is a researcher in computer science and author of many articles on [programmer utilities](#). For more information see our site. Katherine Gillard is a permanent writer on the subjects of [debugging tools](#) for various hi-tech journals. For more information browse our site.

Source: <http://www.tntarticles.com>