| **Scripting Language** | **Programming Language** |
| --- | --- |
| A Scripting Language is a Programming language that is mainly used to automate certain tasks within a software. | A programming language consists of instructions for the computer and is used for creating complete software. |
| Execution and output is generated one line at a time. | Output is generated for the complete program in one go. |
| There is no need for compiling the script. | The Program is compiled by the compiler at the time of execution. |
| There is no executable file generated during execution of the script. | An executable file is generated during code execution. |
| The script is directly interpreted at runtime. | The program is first compiled and then compiled code is executed at runtime. |
| They are easy to learn and use. | They are comparatively difficult to learn and use. |
| They are usually small pieces of code. | The code is usually large and has a large number of lines. |
| It is faster to write scripts as they are usually written to automate a specific task within the main program/software. | Coding in a Programming language is time taking as it involves designing a complete software. |
| Scripts are written within a parent Program. | These Programs exist and run independently. |
| All Scripting languages are Programming languages. | All Programming languages are not Scripting languages. |