2.Difference between Scripting languages and Programming languages?

| **SNO** | **Scripting Language** | **Programming Language** |
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| 1 | 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. |
| 2 | Execution and output is generated one line at a time. | Output is generated for the complete program in one go. |
| 3 | There is no need for compiling the script. | The Program is compiled by the compiler at the time of execution. |
| 4 | The script is directly interpreted at runtime. | The program is first compiled and then compiled code is executed at runtime. |
| 5 | They are easy to learn and use. | They are comparatively difficult to learn and use. |
| 6 | They are usually small pieces of code. | The code is usually large and has a large number of lines. |
| 7 | Scripts are written within a parent Program. | These Programs exist and run independently. |
| 8 | All Scripting languages are Programming languages. | All Programming languages are not Scripting languages. |