

Key Vocabulary

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|-------------|--|
| algorithm | Sequence of instructions which, when followed, solve a problem. |
| import | To pull another file into software. |
| indentation | In programming, it is used to define a block of code. |
| nested loop | A loop within a loop. |
| Python | A text-based programming language used to code. |
| random | An unpredictable sequence or reveal. |
| remix | Something that has been reworked to produce a varying version of the original. |
| shape | A geometric figure (e.g. a square, triangle or rectangle). |
| variable | A number or text that changes each time a program runs. |

Nested loops



Python is used to teach computers how to think for themselves!

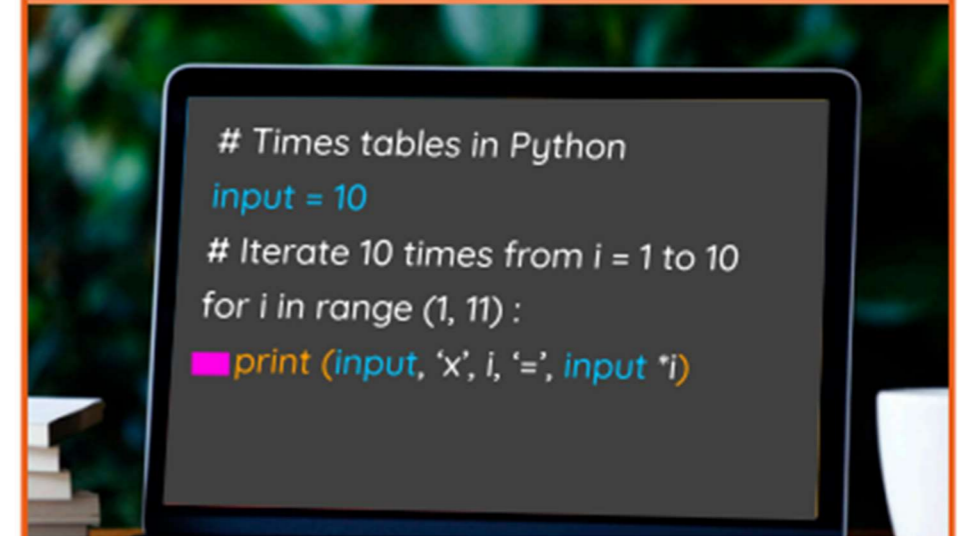
This is sometimes known as artificial intelligence (AI) or machine-learning.

They can learn skills such as speech recognition.

Key Facts

Python program to display times tables:

Try this Python code out yourself, and change the variable (input = 'x') to display a different times table chart.



- Indentation
- Variable
- Loop

Algorithm to make a cup of tea:

The steps in the algorithm must be followed, if we ignored step one, we would have no hot water!

1. Mug and hot water

2. Add teabag

3. Remove teabag

4. Dash of milk

Code breakdown

