



# Swift

## ACTIVITIES

1 Use the word given in capitals to form a new word that fits in each gap.



# Swift

Swift was introduced by Apple in 2014, and its ..... **1** (EW) version, Swift 2, was released a year after. It is the latest open-source, multi-paradigm programming language for iOS and OS X apps. It works ..... **2** (GOOD) when writing software, whether it is for phones, desktops, servers, or anything else that runs code. It is based on Objective-C programming language, as it integrates its named parameters and object-oriented model. It also includes an advanced compiler, ..... **3** (BUG) and framework infrastructure. The compiler is optimized for performance and the language is optimized for development, without compromising on either. Swift is ..... **4** (FRIEND) to new programmers. It is an industrial-quality programming language, as expressive and ..... **5** (ENJOY) as a scripting language. It

supports 'playgrounds', a feature that lets programmers experiment and see immediate results of the code that they write.

It combines ..... **6** (POWER) type inference and pattern matching with a modern, lightweight syntax, allowing complex ideas to be expressed in a clear and concise manner. As a result, code is not just easier to write, but also to read and maintain. Its syntax is easy to understand and it is ..... **7** (IDEA) for writing production-ready code. Swift avoids large classes of common programming errors by adopting modern programming patterns: for example, ..... **8** (VARY) are always initialized before use, memory is managed ..... **9** (AUTOMATIC), and error handling allows controlled recovery from ..... **10** (EXPECT) failures.

Beside Apple, it is used by major organizations such as Getty Images, Slack, Dow Jones, Playlist Media. Dow Jones is ..... **11** (WRITE) sections of its mobile Wall Street Journal app using Swift, whereas Getty Images built its consumer-facing app, Stream, using Swift.

2 Read the text again and find the following information.

- 1 The year when Swift was first released: .....
- 2 The OS it works with: .....
- 3 The language it is based on: .....
- 4 Some of its qualities: .....
- 5 What its syntax is like: .....
- 6 Major organizations using Swift: .....

3 Match each word with its synonym.

- |                 |                |
|-----------------|----------------|
| 1 Parameter     | A Paired       |
| 2 To optimize   | B Criterion    |
| 3 Matching      | C Manipulation |
| 4 Concise       | D To advance   |
| 5 To initialize | E Succinct     |
| 6 Handling      | F To boot      |

4 What are Swift main features? Summarize the whole text using your own words.