DESARROLLO\_DE\_SOFTWARE\_8888001186\_IST1046\_14

Actividad Evaluativa 1 | Inglés | Ciclo 3

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Principio del formulario

Final del formulario

Contenido de C3\_Taller\_Nivel1\_1

Principio del formulario

**I. READING**

***Read the text and choose the correct options to answer the questions or complete the statements.***

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Principio del formulario

**Best Programming Languages to Learn in 2021**

Adapted from: <https://www.simplilearn.com/best-programming-languages-start-learning-today-article>

Once, only a few people were considered computer programmers with cutting-edge coding skills. Now, many IT jobs require a solid grasp of the top programming languages — yes, more than one.

Whether you want to develop a mobile application, get certification for programming knowledge, or learn new skills, you need to learn the right programming language. Below you’ll learn about 5 popular programming languages that will be in demand among employers in 2021. You’ll find about each language, its complexity, and how it is used.

**Top Programming Languages to Learn in 2021**

1. Python

Python is one of the most commonly used programming languages today and is easy for beginners to learn because of its readability. It is a free, open-source programming language with extensive support modules and community development, easy integration with web services, user-friendly data structures, and GUI-based desktop applications. It is a popular programming language for machine learning and deep learning applications.

Python is used to develop 2D imaging and 3D animation packages like Blender, Inkscape, and Autodesk. It has also been used to create popular video games, including Civilization IV, Vegas Trike, and Toontown. Python is used for scientific and computational applications like FreeCAD and Abacus and also by popular websites like YouTube, Quora, Pinterest, and Instagram.

2. Java

Java is one of the most common, in-demand computer programming languages used today.

Owned by Oracle Corporation, this general-purpose programming language with its object-oriented structure has become a standard for applications that can be used regardless of platform (e.g., Mac, Windows, Android, iOS, etc.) because of its Write Once, Run Anywhere (WORA) capabilities. As a result, Java is recognized for its portability across platforms, from mainframe data centers to smartphones. Today there are more than 3 billion devices running applications built with Java.

Java is widely used in web and application development as well as big data. Java is also used on the backend of several popular websites, including Google, Amazon, Twitter, and YouTube. It is also extensively used in hundreds of applications. New Java frameworks like Spring, Struts, and Hibernate are also very popular. With millions of Java developers worldwide, there are hundreds of ways to learn Java. Also, Java programmers have an extensive online community and support each other to solve problems.

Java is a more complex language to learn, but experienced developers with Java coding skills are in high-demand.

3. Kotlin

Kotlin is a general-purpose programming language originally developed and unveiled as Project Kotlin by JetBrains in 2011. The first version was officially released in 2016. It is interoperable with Java and supports functional programming languages.

Kotlin is used extensively for Android apps, web application, desktop application, and server-side application development. Kotlin was built to be better than Java, and people who use this language are convinced. Most of the Google applications are based on Kotlin. Some companies using Kotlin as their programming language include Coursera, Pinterest, PostMates among many others.

4. Swift

A few years ago, Swift made the top 10 in the monthly TIOBE Index ranking of popular programming languages. Apple developed Swift in 2014 for Linux and Mac applications.

An open-source programming language that is easy to learn, Swift supports almost everything from the programming language Objective-C. Swift requires fewer coding skills compared with other programming languages, and it can be used with IBM Swift Sandbox and IBM Bluemix. Swift is used in popular iOS apps like WordPress, Mozilla Firefox, SoundCloud, and even in the game Flappy Bird.

5. C#

Developed by Microsoft, C# rose to fame in the 2000s for supporting the concepts of object-oriented programming. It is one of the most powerful programming languages for the .NET framework. Anders Hejlsberg, the creator of C#, says the language is more like C++ than Java.

It is best suited for applications on Windows, Android, and iOS, as it takes the help of the integrated development environment product, Microsoft Visual C++. C# is used on the back end of several popular websites like Bing, Dell, Visual Studio, and MarketWatch.

**How to Get Started?**

Although there are hundreds of programming languages, very few are on the shortlisted languages you should know, and the five described above top that list. If you want to start a career as a programmer, make a lateral move into another field, or advance up the ladder at your current job, learning one of these languages is an excellent place to begin your transition.

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Pregunta 1

**0.5 puntos**

According to the text, computer programmers should \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

* 1. 

**get certifications for programming knowledge.**

* 1. 

**learn more than one computer language.**

* 1. 

**make lateral moves into other fields.**

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Pregunta 2

**0.5 puntos**

Python is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

* 1. 

**complex to be learnt.**

* 1. 

**an expensive program.**

* 1. 

**easy for beginners to learn.**

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Pregunta 3

**0.5 puntos**

 What do Java and Kotlin have in common?

* 1. 

**They are used for web application development.**

* 1. 

**There are hundreds of ways to learn them.**

* 1. 

**They are complex to learn.**

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Pregunta 4

**0.5 puntos**

 Kotlin \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

* 1. 

**has user-friendly data structures**

* 1. 

**was built by Microsoft**

* 1. 

**was built to be better than Java**

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Pregunta 5

**0.5 puntos**

 What do Python and Swift have in common?

* 1. 

**They are easy to learn.**

* 1. 

**They are popular programming languages for deep learning applications**

* 1. 

**They have been used to create popular video games.**

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**II. VOCABULARY**

***Choose the best option to explain the meaning of the underlined words using the context in the reading.***

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Pregunta 6

**0.25 puntos**

 You’ll learn about 5 popular programming languages that will be in demand among employers in 2021.

* 1. 

**required as useful, proper, or necessary**

* 1. 

**requiring much effort**

* 1. 

**strong and durable**

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Pregunta 7

**0.25 puntos**

 This general-purpose programming language with its object-oriented structure has become a standard for applications that can be used regardless of platform.

* 1. 

**with some specific platforms**

* 1. 

**with just a few platforms**

* 1. 

**with any platform**

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Pregunta 8

**0.25 puntos**

Java programmers have an extensive online community and support each other to solve problems.

* 1. 

**restricted**

* 1. 

**limited**

* 1. 

**large**

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Pregunta 9

**0.25 puntos**

Kotlin is a general-purpose programming language originally developed and unveiled as Project Kotlin by JetBrains in 2011.

* 1. 

**released**

* 1. 

**made undecipherable or imperceptible**

* 1. 

**changed**

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Pregunta 10

**0.25 puntos**

Developed by Microsoft, C# rose to fame in the 2000s for supporting the concepts of object-oriented programming.

* 1. 

**was launched**

* 1. 

**became famous**

* 1. 

**was developed**

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Pregunta 11

**0.25 puntos**

C# is best suited for applications on Windows, Android, and iOS, as it takes the help of the integrated development environment product, Microsoft Visual C++.

* 1. 

**appropriate**

* 1. 

**clothed**

* 1. 

**regular**

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Pregunta 12

**0.25 puntos**

 If you want to start a career as a programmer, make a lateral move into another field, or advance up the ladder at your current job, learning one of these languages is an excellent place to begin your transition.

* 1. 

**have a similar position**

* 1. 

**find a position in another organization**

* 1. 

**obtain a highest position**

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**III. GRAMMAR**

***What do the underlined words refer to? Choose the correct options.***

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Pregunta 13

**0.25 puntos**

Once, only a few people were considered computer programmers with cutting-edge coding skills. Now, many IT jobs require a solid grasp of the top programming languages — yes, more than **one**.

* 1. 

**computer programmers**

* 1. 

**coding skills**

* 1. 

**the top programming languages**

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Pregunta 14

**0.25 puntos**

With millions of Java developers worldwide, there are hundreds of ways to learn Java. Also, Java programmers have an extensive online community and support **each other** to solve problems.

* 1. 

**Java programmers**

* 1. 

**Java developers**

* 1. 

**Ways to learn Java**

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Pregunta 15

**0.25 puntos**

Kotlin was built to be better than Java, and people who use this language are convinced. Most of the Google applications are based on Kotlin. Some companies using Kotlin as their programming language include Coursera, Pinterest, PostMates among many **others**.

* 1. 

**People**

* 1. 

**Google applications**

* 1. 

**Companies**

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**Contenido adicional**

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