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GITHUB COPILOT - YOUR AI PAIR PROGRAMMER

Copilot is not the first assistant programmer of its kind, however, it stands out by the fact that it works on Codex, a descendant of GPT-3, which provides a deeper and more accurate understanding of the context. It works best with Python, JavaScript, TypeScript, Ruby, and Go, but understands dozens of languages.

Copilot helps you quickly find alternative ways to solve problems and write code without having to tediously search for answers on Stack Overflow or some other sites on the web.

Currently, the technology is at the testing stage and a limited number of users have access to it, and their assessments are very different. Right now you can only use Copilot as an extension in a few IDEs like visual studio and visual studio code.

Copilot works while you write the code, all you need to do is press the spacebar and it will offer you an option to continue your code. It works as an extension and it is very convenient because after installing it, you just need to start

writing a code. If you like the proposed solution, then you can press Tab and the solution will automatically continue your code. If the solution does not suit you, you can select the next one using Alt+. What is more, Co-pilot is well suited for writing and combining functions. In addition to deriving function bodies from the function name and summary comment, Copilot can get useful hints from other codes in the file being edited and from variable names. GitHub plans that Copilot will consider more current code than just the current file for its context in the near future. The service also uses users' choices to improve future offers.

Copilot can be effectively used as an assistant who writes the code for you, but you should check the code it writes and often correct or add to it - this is much faster than writing a code from scratch.

No matter how good the second assistant is, this code is not always perfect, it can make syntax errors and even suggest a code that will not compile in the end. Since AI learns from publicly available resources on the Internet, it can also read and remember the code that has errors. The code that Copilot offers is adapted to yours but ultimately depends on the code written by other people.

In order to remember a piece of code, Copilot needs to see it many times. It is intended more for training new programmers than experienced ones.