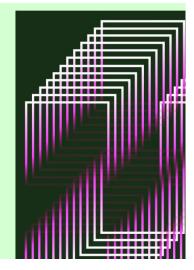
What is Github Copilot?

Discover the code generation model Copilot, to streamline your coding projects.

OpenAl Codex suggests code in real-time, right from your editor.

Powering next generation applications with OpenAl Codex

Codex is now powering 70 different applications across a variety of use cases through the OpenAl API.



Source: OpenAI

Github Copilot

- Created by OpenAI
- Accessed within a coding editor called <u>Visual</u> <u>Studio Code</u>

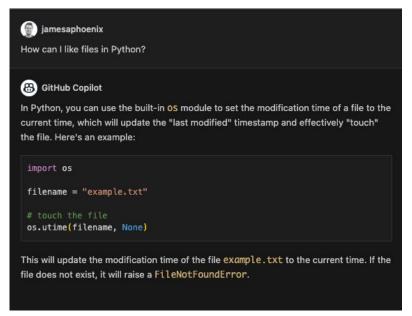
```
sentiments.ts on write_sql.go addresses.rb
1 import datetime
3 def parse expenses(expenses string):
      """Parse the list of expenses and return the list of triples (date, value, currency).
     Ignore lines starting with #.
     Parse the date using datetime.
     Example expenses_string:
         2016-01-02 -34.01 USD
         2016-01-03 2.59 DKK
         2016-01-03 -2.72 EUR
     expenses = []
     for line in expenses_string.splitlines():
         if line.startswith("#"):
         date, value, currency = line.split(" ")
         expenses.append((datetime.datetime.strptime(date, "%Y-%m-%d"),
                         float(value),
                         currency))
     return expenses
  & Copilot
```

Github Copilot Features

Generate Code

```
rs sentiments.ts
                              parse_expenses.py
                                                  addresses.rb
                 ∞ write_sql.go
1 class CreateShippingAddresses < ActiveRecord::Migration
     def change
       create_table :shipping_addresses do |t|
         t.string :name
         t.string :address
         t.string :city
         t.string :zip
         t.string :state
         t.string:phone
         t.string :email
         t.references :shipping method, index: true, foreign_key: true
         t.references :customer, index: true, foreign_key: true
         t.timestamps null: false
       end
17 end
   8 Copilot
                                                   C Replay
```

Chat



Copilot Use Cases

- Speeding up your coding projects.
- Debugging code.
- Learning new programming languages and frameworks.

Why use Github Co-pilot?

This <u>research survey</u> showed significant performance boosts to developers using Github co-pilot.