

Pair Programming with the Computer

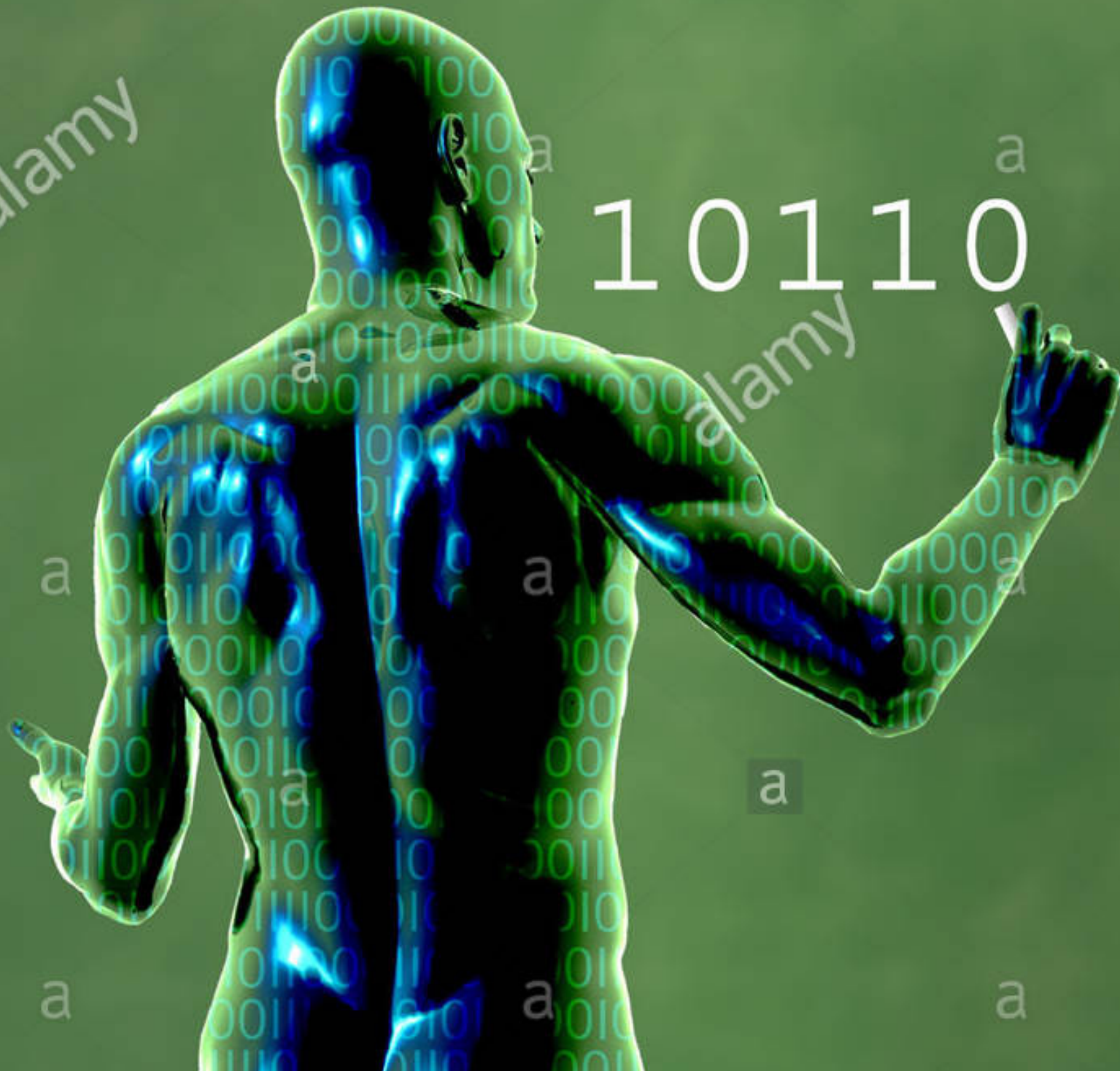
KS Sreeram, Clay Labs

@kssreeram, ks@claylabs.com



Can we get the computer
to write code for us?


alamy



Yes. We do that all the time.

e.g:

- Compilers
 - write low-level code from high-level specification.
- Machine Learning
 - Learn model parameters from training data.

The background of the slide is a black field filled with a dense, vertical stream of green numbers (0-9). The numbers are of varying sizes and are arranged in a way that creates a sense of depth and movement, resembling a digital rain or data stream effect. Some numbers are larger and more prominent than others, while many are smaller and overlap, creating a complex, layered visual texture.

But..

- The “generated code” is hard to understand.
- It is not meant for human consumption.

Is it possible for the computer to...

- Write understandable code?
- Collaborate with us during development?



Not yet

- We still have a long way to go.
- But possible in specific narrow cases.



Demo

Thank You!

KS Sreeram, Clay Labs

@kssreeram, ks@claylabs.com