Code-Layout, Readability And Reusability

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INTRODUCTION:

- Millions of lines of code are written every single day using an uncountable number of different coding techniques.

- However, to secure code maintenance and reusability, written code must be readable for fellow coders.

Readability and Code Aesthetics

- Consistent formatting improves the readability of the code by making it easier to visually parse and understand.
- Proper indentation and spacing create a clear structure, making it easier to identify blocks of code, such as functions or loops.

Define Meaningful Variable Names

- First, defining meaningful variable names must be internalized.

- After working for several years as a software developer, I still see people naming variables with single letters.

- In contrast, defining readable variable names could be as easy as brushing teeth:

- Use a variable name that best describes itself or its purpose.
- Use snake case or camel case as naming conventions.
- To demonstrate the differences between indefinable and meaningful variable names, see the coffee example:

```
# Indefinable variable names

c = 16

whpd = 8

cph = c / hpd
```

```
# Meaningful variable names

coffees = 16

workHoursPerDay = 8

coffeesPerWorkHour = coffees / workHoursPerDay
```