Software Academy

Coding Fundamentals

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Python Style Guide

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Python Style

The official documentation:

PEP 8 – Style Guide for Python Code

https://www.python.org/dev/peps/pep-0008/

PEP 257 – Docstring Conventions

https://www.python.org/dev/peps/pep-0257/

Python Style

How to Write Beautiful Python Code With PEP 8

https://realpython.com/python-pep8/

Clean Code

“Any fool can write code that a computer can understand. Good programmers write code that humans can understand.”

Martin Fowler

Refactoring: Improving the Design of Existing Code

(Addison-Wesley, 1999)

Clean Code

The Zen of Python

https://www.python.org/dev/peps/pep-0020/

Summary of Clean Code by Robert C Martin

https://gist.github.com/wojteklu/73c6914cc446146b8b533c0988cf8d29

Clean Code

Python Clean Code: 6 Best Practices to Make Your Python Functions More Readable

https://towardsdatascience.com/python-clean-code-6-best-practices-to-make-your-python-functions-more-readable-7ea4c6171d60

Walkthrough

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Exam Marks and Grades

A program is needed to ask a student for their percentage mark and then convert it to a grade.

The grade boundaries are:

90% and over - A*

80% and over - A

70% and over - B

60% and over - C

50% and over - D

Less than 50% - F

Exam Marks and Grades

The student is then asked for their target grade.

If their target grade > exam grade, display a suitable message.

If their target grade = exam grade, display a suitable message.

If their target grade < exam grade, display a suitable message.

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