1. Who made python
- Guido van Rossum
- Netherlands
- Centrum Wiskunde & Informatica (CWI), a research institute in Amsterdam
- British comedy group **Monty Python's Flying Circus**, not the snake

2. Why we learn python or uses of python
    a. Web development
    b. Scientific computation
    c. Optimization
    d. Machine learning and deep learning
    e. Open source
    f. Rich in libraries
    g. Web scraping
    h. Work with files
    i. Work on different os
    j. Interpreted language

3. Python version and tools
4. How python made from c
5. How python is different from other languages
6. Python syntax
7. Variables and their names
8. Type of variable initialization: camel, pascal, snake case
9. One value to multiple variables
10. Multiple value to multiple variables

11. Global and local variables
12. 35 keywords
13. Data types
    a. Int
    b. Float
    c. String
        i. Slicing in string
        ii. Formatted string literal
        iii. Split function
        iv. Strip function
        v. Replace function
        vi. Concatenate
        vii. Escape characters
        viii. Capitalize
    d. Complex
    e. List
    f. Set
    g. Tuple
    h. Dictionary
    i. Range

14. Python numbers: int, float, complex
15. Operators
    a. Arithmetic
    b. Assignment
    c. Comparison/Relational
    d. Logical
    e. Bitwise
    f. Membership

g. Identity

16. Indentation
17. Comments
18. Type function
19. Type casting
20. Input and output function of c and python