

Exercise 1.2

1. Why do computers use zeros and ones?
 - A. because combinations of zeros and ones can represent any numbers and characters.
 - B. because digital devices have two stable states and it is natural to use one state for 0 and the other for 1.
 - C. because binary numbers are simplest.
 - D. because binary numbers are the bases upon which all other number systems are built.
2. Computer can execute the code in _____.
 - A. machine language
 - B. assembly language
 - C. high-level language
 - D. none of the above
3. _____ translates high-level language program into machine language program.
 - A. An assembler
 - B. A compiler
 - C. CPU
 - D. The operating system
4. Python was created by _____.
 - A. James Gosling
 - B. Bill Gates
 - C. Steve Jobs
 - D. Guido van Rossum
 - E. Google
5. Which of the following statements is true?
 - A. Python 3 is a newer version, but it is backward compatible with Python 2.
 - B. Python 3 is a newer version, but it is not backward compatible with Python 2.
 - C. A Python 3 program can always run on a Python 2 interpreter.
6. _____ is interpreted.
 - A. Python
 - B. C++
 - C. C

- D. Ada
- E. Pascal

7. Please watch the video presented by Guido van Rossum and answer following questions.

- 1) What is ABC?
- 2) How long did Guido spend to create Python?
- 3) Is Python programming language named after the snake python?