**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.

1. Computer can execute the code in \_\_\_\_\_\_\_\_\_\_\_\_.

 A. machine language

 B. assembly language

 C. high-level language

 D. none of the above

1. \_\_\_\_\_\_\_\_\_\_ translates high-level language program into machine language program.

 A. An assembler

 B. A compiler

 C. CPU

 D. The operating system

1. Python was created by \_\_\_\_\_\_\_\_\_\_\_\_.

 A. James Gosling

 B. Bill Gates

 C. Steve Jobs

 D. Guido van Rossum

 E. Google

1. 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.

1. \_\_\_\_\_\_\_\_ is interpreted.

 A. Python

 B. C++

 C. C

 D. Ada

 E. Pascal

1. Please watch the video presented by Guido van Rossum and answer following questions.
2. What is ABC?
3. How long did Guido spend to create Python?
4. Is Python programming language named after the snake python?