

Answers can be found in the text—refer to syllabus for textbook information/details.

Many/most of these questions are exercises from Chapter 1 of the text.

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For exercises 1-10, choose from the following list of people.

- A. Leibniz
 - B. Pascal
 - C. Babbage
 - D. Lovelace
 - E. Hollerith
 - F. Byron
 - G. Turing
 - H. Jacquard
1. What French mathematician built and sold the first gear-driven mechanical machine that did addition and subtraction?
 2. Who built the first mechanical machine that did addition, subtraction, multiplication, and division?
 3. Who designed the first mechanical machine that included memory?
 4. Who was considered the first programmer?
 5. Who proposed that a punched card be used for counting the census?
 6. Who edited Babbage/s work?
 7. Who was Ada Lovelace’s father?
 8. Who would have been mentioned in the book the *Code Breakers*?
 9. Who developed the concept of punched holes in weaving cloth?
 10. Who is associated with IBM?

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11. What is *Abstraction*?
12. Is computing a mathematical discipline, a scientific discipline, or an engineering discipline?

Explain your answer.

13. Distinguish between an assembler and a compiler?