ADA LOVELACE

Born in London in 1815,
Ada Lovelace was raised by her mother.

In 1828, she produced the design for a flying machine,
by this time, she had already received an education in music, logic and mathematics.

In 1833 Ada met Charles Babbage.

In 1834 Babbage had made plans for a new calculating machine: Analytical Engine.
And, Luigi Federico Menabrea, published an article about it, in French.
Ada - who had in the meantime married William King
worked on the translation of this article for nine months.

Ada had seen the potential and the future of the machine.
In her notes, Lovelace had emphasized the similitudes
between the Analytical Engine and a Jacquard loom.
For her, algebraic patterns had been woven by the Analytical Engine,
like flowers and leaves by a Jacquard loom.

The Jacquard loom had been invented to automate the weaving of complex patterns.
A series of reusable punch cards had been fed into the loom to determine the design.

Lovelace had made two important contributions in her translation notes:
she had described a way that the machine could repeat instructions, called looping.
And, she had written the first ever computer program;
an algorithm to calculate a Bernoulli number using the Analytical Engine

Less than a decade after her notes had been published,
Lovelace died from uterine cancer in 1852 at the age of 36.

ANSWER THE FOLLOWING QUESTIONS

1. Who published an article about the Analytical Engine?

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2. Who translated the article about the Analytical Engine?

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3. What had Lovelace emphasized in her notes?

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4. What had the Analytical Engine woven?

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5. What had the Jacquard loom been invented for?

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6. What is looping?

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7. Who had written the first computer program?

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8. What happened a decade after Lovelace notes had been published?

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VOCABULARY

Repeat the following words

Age
Algebraic patterns
Algorithm
Analytical engine
Article
Automate
Bernoulli number
Calculate
Calculating machine
Complex patterns
Computer program
Decade
Determine
Emphasized
Flying machine
First
Instructions
Jacquard loom
Logic
Looping
Machine
Married
Mathematics
Meantime
Notes
Potential
Published
Punch cards
Raised
Received
Reusable
Series
Similitudes
Translation
Uterine cancer
Weaving
Worked
Woven