

Unit 23 *Program design*

1 Warm-up

A In pairs, try to think of an answer for the question:

What is programming?

Look at the definition in the Glossary. Is it similar to yours?

B Complete the following definitions with the words and phrases in the box.

the various parts of the program may occur in programs language
binary numbers a given problem

1 algorithm

The step-by-step specification of how to reach the solution to

2 flowchart

A diagram representing the logical sequence between

3 coding

The translation of the logical steps into a programming


4 machine code

The basic instructions understood by computers. The processor operates on codes which consist of


5 debugging

The techniques of detecting, diagnosing and correcting errors (or 'bugs') which

2 Listening

A  Listen to Lucy Boyd, a software developer, explaining how a program is produced. Number these steps in the order you hear them.

- ☐ Provide documentation of the program.
- ☐ Understand the problem and plan the solution.
- ☐ Test and correct the program.
- ☐ Make a flowchart of the program.
- ☐ Write the instructions in coded form and compile the program.

B  Listen again and take notes. Use your notes to explain what each step means.