High level code and machine code

Worksheet 1

1 Explain what is meant by 'machine code'.

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2 Explain why other languages were developed to allow humans to program computers.

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3 (a) Why is 'assembly language' referred to as a 'low level' language?

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(b) What are mnemonics and how are they used in assembly language?

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(c) What is an 'assembler' used for?

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4 (a) What are 'high level languages'?

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(b) List *three* examples of a high level language.

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4 (c) List *three* advantages of assembly language over a high level language.

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(d) List *three* advantages of using a high level language over assembly language.

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5 Compilers and interpreters are needed to translate the high level code into machine code. What is the difference between a compiler and an interpreter?
Give an advantage and disadvantage of each.

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6 Complete the following diagrams by labelling the boxes.

	translator →	

translator