9 A programmer is writing a program using an integrated development environment (IDE).

(a) The program will take data from bar codes as input.

A bar code includes a check digit.

Explain how the check digit is used to check for errors in data entry.

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(b) The programmer is using a high-level language to write the program.

(i) Describe what is meant by a high-level language.

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(ii) The programmer uses a compiler during the development of the program.

Describe the benefits of using a compiler when developing the program.

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