

8 Compilers and interpreters are used to translate programs written in a high-level language into a low-level language.

(a) State **two** disadvantages of using a compiler compared to an interpreter during program development.

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[2]

(b) Explain how a programmer benefits from using program libraries during program development.

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[3]

(c) A programmer is developing an Operating System (OS).

Identify **two** types of software licence the programmer can use to allow other people to edit and redistribute the OS.

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[2]

(d) Memory management is one key management task performed by an OS.

Give **three** other key management tasks that are performed by an OS.

1

2

3

[3]