Prog Languages revision Qs

Q1 What sort of computer is assembly language often used to code for? **[1]**

Q2 A programmer is writing a revision app for a mobile phone
The program is written in a high-level programming language and then translated into machine code

a. Describe **two** differences between high-level code and machine code **[4]**

b. What is the relationship between a single line of high-level code and the machine code? **[1]**

One type of translator which can be used is an interpreter.

c. Describe how an interpreter translates high-level code into machine code **[2]**

d. State the name of the other type of translator used to convert high-level code into machine code **[1]**

e. State **two** advantages of using this other type of translator in place of an interpreter **[2]**

Prog Languages revision Qs

Q1 What sort of computer is assembly language often used to code for? **[1]** embedded system

a. Describe **two** differences between high-level code and machine code **[4]** e.g. hl code close to English; hl code can combine multiple processes on one line; hl code has structures such as iteration and repetition

b. What is the relationship between a single line of high-level code and the machine code? **[1]** one line of hl code = multiple lines of mc

c. Describe how an interpreter translates high-level code into machine code **[2]** translates each line as the program runs; uses machine code routines within code rather than directly translating

d. State the name of the other type of translator used to convert high-level code into machine code **[1]** compiler

e. State **two** advantages of using this other type of translator in place of an interpreter **[2]** e.g. creates exe file; quicker to run; user can't see code so protect copyright