4 **(a)** A presence check is a type of validation check.

State the purpose of a presence check.

.....

..... [1]

(b) A value input into a computer system must be an integer.

(i) Identify the validation check used to test whether the value input meets this requirement.

..... [1]

(ii) Write the pseudocode for an algorithm to allow a number to be input into an appropriate variable and check whether the number is an integer. If the number is an integer, it is accepted. If the number is **not** an integer, an error message is output. Re-input of the number is required until a valid number is input.

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..... [5]